

TYPHOON STEEL

BRIEFING MANUAL



STRATEGIC SIMULATIONS, INC.

TERRAIN EFFECTS CHARTS (CONTINUED)

NORTH AFRICA

| # | Terrain Type | Level | Cover? | Movement Costs | | |
|-------|-----------------|-------|--------|----------------|-----|-----|
| | | | | V | T | F |
| 0 | Clear | 1 | N | 5 | 5 | 5 |
| 1-7 | Road | 1 | N | 3.5 | 2.5 | 4 |
| 8-9 | Stone Bldg | 1 | Y | 20 | NA | 7.5 |
| 10 | Olive Trees | 1 | Y | 20 | 60 | 10 |
| 11-16 | Slope | 2 | N | 7.5 | 10 | 6 |
| 17-18 | Slope/Road | 2 | N | 4 | 3.5 | 2 |
| 19 | Rough | 2 | Y | 20 | 60 | 10 |
| 20 | Sand | 1 | Y | 15 | 60 | 10 |
| 21 | Impassible Sand | 1 | N | NA | NA | 25 |
| 22 | Depression | 1 | Y | 20 | 60 | 10 |
| 23 | Wood Bldg | 1 | Y | 5 | 5 | 5 |
| 24 | Clear | 3 | N | 5 | 5 | 5 |
| 25-31 | Road | 3 | N | 3.5 | 2.5 | 4 |
| 32-33 | Stone Bldg | 3 | Y | 20 | NA | 7.5 |
| 34 | Olive Trees | 3 | Y | 20 | 60 | 10 |
| 35 | Rough | 4 | Y | 20 | 60 | 10 |

NOTES:

Number preceeding type is number used for placing terrain during the map build routines.

Level is the height level of the feature.

Cover indicates whether the feature does (Y) or does not (N) provide cover to units in that feature. All cover is soft except for stone buildings, which are hard cover.

Movement numbers are costs in miles per hour to enter square.

When the weather is snow or rain, add 2.5 to the cost to enter all terrain features. When the weather is snow, the cost to enter swamps is half of the normal cost.

V = All vehicles except trucks

T = Trucks

F = Foot and mobile gun (mortar) units

AMERICAN UNIT DATA

| NO. | NAME | SIZE | SPD | CRW | 1st SHOT | CLS | RDO | TG | TG | HG | HG | FT | FH | ST | SH | TP | 1ST YR | LST YR | COST |
|-----|------------|------|-----|-----|----------|---------|-----|--------|--------|----------|--------|----|----|----|----|----|--------|--------|------|
| 1 | M3 STUART | 3 | 18 | 4 | 10 | TANK | 90 | 37L53 | TMG | TMG | TMG | 4 | 4 | 4 | 3 | 3 | E42 | L44 | 11 |
| 2 | M5 STUART | 3 | 17 | 4 | 10 | TANK | 90 | 37L53 | TMG | TMG | TMG | 6 | 6 | 4 | 3 | 3 | E43 | 45 | 9 |
| 3 | M24 CHFFEE | 4 | 22 | 5 | 10 | TANK | 90 | 75L38 | 50 CAL | TMG | TMG | 5 | 5 | 3 | 3 | 3 | 45 | 45 | 13 |
| 4 | M3 LEE | 5 | 13 | 6 | 10 | TANK | 90 | 37L53 | TMG | 75L31/M2 | TMG | 8 | 8 | 6 | 4 | 4 | E42 | L43 | 11 |
| 5 | M4A1 SHRMN | 5 | 13 | 5 | 10 | TANK | 90 | 75L38 | 50 CAL | TMG | TMG | 8 | 11 | 6 | 4 | 4 | E43 | 45 | 11 |
| 6 | M4A3 SHRMN | 5 | 15 | 5 | 10 | TANK | 90 | 75L38 | 50 CAL | TMG | TMG | 8 | 11 | 6 | 4 | 4 | L43 | 45 | 11 |
| 7 | M4E8 SHRMN | 5 | 15 | 5 | 10 | TANK | 90 | 76L54 | 50 CAL | TMG | TMG | 9 | 12 | 6 | 5 | 4 | L44 | 45 | 12 |
| 8 | M4E2 JUMBO | 5 | 12 | 5 | 10 | TANK | 90 | 76L54 | 50 CAL | TMG | TMG | 16 | 18 | 12 | 9 | 4 | L44 | 45 | 20 |
| 9 | T26 PRSHNG | 5 | 13 | 5 | 10 | TANK | 90 | 90L50 | 50 CAL | TMG | TMG | 16 | 18 | 9 | 9 | 5 | 45 | 45 | 26 |
| 10 | M10 GMC | 4 | 15 | 5 | 15 | TANK | 90 | 76L54 | 50 CAL | - | - | 8 | 10 | 5 | 5 | 0 | E43 | 45 | 12 |
| 11 | M18 HELLCT | 4 | 25 | 5 | 15 | TANK | 90 | 76L54 | 50 CAL | - | - | 3 | 3 | 2 | 2 | 0 | L44 | 45 | 12 |
| 12 | M36 GMC | 4 | 15 | 5 | 15 | TANK | 90 | 90L50 | 50 CAL | - | - | 8 | 10 | 5 | 5 | 0 | L44 | 45 | 14 |
| 13 | SHRMN FT | 5 | 13 | 5 | 10 | TANK | 90 | 75L38 | 50 CAL | FLMTHW | TMG | 8 | 11 | 6 | 4 | 4 | L43 | 45 | 20 |
| 14 | CALLIOPE | 5 | 13 | 5 | 10 | ARTY | 90 | 4.6RKT | 4.6RKT | 4.6RKT | 4.6RKT | 8 | 11 | 6 | 4 | 4 | L43 | 45 | 20 |
| 15 | SHRMN DZR | 5 | 13 | 5 | 10 | TANK | 90 | 75L38 | 50 CAL | TMG | - | 8 | 20 | 6 | 4 | 4 | E43 | 45 | 13 |
| 16 | SHRMN 105 | 5 | 15 | 5 | 5 | TANK | 90 | 105L30 | 50 CAL | TMG | TMG | 8 | 11 | 6 | 4 | 4 | L44 | 45 | 13 |
| 17 | M7 PRIEST | 4 | 14 | 4 | 10 | AG | 90 | 105 FH | 50 CAL | - | - | 2 | 3 | 1 | 1 | 0 | L42 | 45 | 9 |
| 18 | M12 GMC | 4 | 14 | 6 | 5 | AG | 90 | 155 FH | - | - | - | 1 | 3 | 1 | 1 | 0 | L44 | 45 | 15 |
| 19 | M8 GRYHND | 3 | 20 | 4 | 15 | AC | 90 | 37L53 | 50 CAL | TMG | - | 2 | 2 | 1 | 1 | 0 | E43 | 45 | 9 |
| 20 | M20 SCOUT | 3 | 20 | 3 | 20 | AC | 90 | 50 CAL | TMG | - | - | 1 | 1 | 1 | 1 | 0 | E42 | 45 | 7 |
| 21 | BUFFALO | 4 | 12 | 4 | 20 | HVY VEH | 90 | 50 CAL | TMG | TMG | - | 1 | 1 | 1 | 1 | 0 | L44 | 45 | 8 |
| 22 | WEASEL | 3 | 15 | 4 | 20 | MDM VEH | 90 | 50 CAL | TMG | - | - | 1 | 1 | 1 | 1 | 0 | L43 | 45 | 6 |
| 23 | DUKW | 3 | 10 | 4 | 20 | HVY VEH | 90 | 50 CAL | - | - | - | 0 | 1 | 0 | 0 | 0 | E43 | 45 | 7 |
| 24 | M3-HT | 3 | 18 | 3 | 20 | MDM VEH | 90 | TMG | - | - | - | 1 | 1 | 1 | 1 | 0 | E42 | 45 | 4 |
| 25 | 7 1/2 TON | 5 | 12 | 2 | 0 | HVY VEH | 90 | - | - | - | - | 0 | 0 | 0 | 0 | 0 | E42 | 45 | 3 |
| 26 | 1 1/2 TON | 4 | 14 | 2 | 0 | MDM VEH | 50 | - | - | - | - | 0 | 0 | 0 | 0 | 0 | E42 | 45 | 2 |
| 27 | 2 1/2 TON | 4 | 14 | 2 | 0 | HVY VEH | 50 | - | - | - | - | 0 | 0 | 0 | 0 | 0 | E42 | 45 | 2 |

TERRAIN EFFECTS CHARTS:

Pacific and Asia

Europe

North Africa

PACIFIC AND ASIA

| # | Terrain Type | Level | Cover? | Movement Costs | | |
|-------|--------------|-------|--------|----------------|-----|-----|
| | | | | V | T | F |
| 0 | Clear | 1 | N | 5 | 5 | 5 |
| 1-7 | Road | 1 | N | 3.5 | 2.5 | 4 |
| 8 | Wood Bldg | 1 | Y | 5 | 5 | 5 |
| 9 | Stone Bldg | 1 | Y | 20 | NA | 7.5 |
| 10 | Forest | 1 | Y | 20 | 60 | 10 |
| 11-16 | Slope | 2 | N | 7.5 | 10 | 6 |
| 17-18 | Slope/Road | 2 | N | 4 | 3.5 | 2 |
| 19 | Rough | 2 | Y | 20 | 60 | 10 |
| 20 | High Grass | 1 | Y | 5 | 10 | 7.5 |
| 21 | Cliff | 3 | N | NA | NA | 25 |
| 22 | Depression | 1 | Y | 20 | 60 | 10 |
| 23 | Huts | 1 | Y | 5 | 5 | 5 |
| 24 | Clear | 3 | N | 5 | 5 | 5 |
| 25-31 | Road | 3 | N | 3.5 | 2.5 | 4 |
| 32 | Wood Bldg | 3 | Y | 5 | 5 | 5 |
| 33 | Stone Bldg | 3 | Y | 20 | NA | 7.5 |

EUROPE

| # | Terrain Type | Level | Cover? | Movement Costs | | |
|-------|--------------|-------|--------|----------------|-----|-----|
| | | | | V | T | F |
| 0 | Clear | 1 | N | 5 | 5 | 5 |
| 1-7 | Road | 1 | N | 3.5 | 2.5 | 4 |
| 8-9 | Stone Bldg | 1 | Y | 20 | NA | 7.5 |
| 10 | Forest | 1 | Y | 20 | 60 | 10 |
| 11-16 | Slope | 2 | N | 7.5 | 10 | 6 |
| 17-18 | Slope/Road | 2 | N | 4 | 3.5 | 2 |
| 19 | Rough | 2 | Y | 20 | 60 | 10 |
| 20 | Wheat | 1 | Y | 5 | 10 | 7.5 |
| 21 | Cliff | 3 | N | NA | NA | 25 |
| 22 | Depression | 1 | Y | 20 | 60 | 10 |
| 23 | Wood Bldg | 1 | Y | 5 | 5 | 5 |
| 24 | Clear | 3 | N | 5 | 5 | 5 |
| 25-31 | Road | 3 | N | 3.5 | 2.5 | 4 |
| 32-33 | Stone Bldg | 3 | Y | 20 | NA | 7.5 |
| 34 | Forest | 3 | Y | 20 | 60 | 10 |
| 35 | Rough | 4 | Y | 20 | 60 | 10 |

| NO. | NAME | SIZE | SPD | CRW | 1st SHOT | CLS | RDO | TG | TG | HG | HG | FT | FH | ST | SH | TP | 1ST YR | LST YR | COST |
|-----|------------|------|-----|-----|----------|---------|-----|--------|--------|--------|--------|----|----|----|----|----|--------|--------|------|
| 57 | SHERMAN DD | 5 | 10 | 5 | 10 | TANK | 90 | 75L38 | 50 CAL | TMG | TMG | 8 | 10 | 6 | 4 | 4 | E44 | 45 | 9 |
| 58 | SHRMN CRAB | 5 | 10 | 5 | 10 | TANK | 90 | 75L38 | 50 CAL | TMG | - | 8 | 10 | 6 | 4 | 4 | L44 | 45 | 9 |
| 59 | M3-MG | 3 | 18 | 3 | 20 | MDM VEH | 90 | 50 CAL | TMG | TMG | - | 1 | 1 | 1 | 1 | 0 | L42 | 45 | 6 |
| 60 | M15-A1 | 3 | 18 | 4 | 20 | MDM VEH | 90 | 37AA | 50 CAL | 50 CAL | - | 1 | 1 | 1 | 1 | 0 | E42 | 45 | 5 |
| 61 | M16-HT | 3 | 18 | 4 | 20 | MDM VEH | 90 | 50 CAL | 50 CAL | 50 CAL | 50 CAL | 1 | 1 | 1 | 1 | 0 | E44 | 45 | 5 |
| 62 | M19-HT | 3 | 18 | 4 | 20 | MDM VEH | 90 | 50 CAL | 40AA | 40AA | - | 1 | 1 | 1 | 1 | 0 | L44 | 45 | 6 |
| 63 | JEEP | 2 | 24 | 2 | 20 | MDM VEH | 90 | 50 CAL | - | - | - | 0 | 1 | 0 | 0 | 0 | E42 | 45 | 2 |
| 64 | POA-CWS-H1 | 5 | 15 | 5 | 10 | TANK | 90 | FLMTHW | 50 CAL | TMG | - | 8 | 11 | 6 | 4 | 4 | 45 | 45 | 16 |
| 70 | NG EMPLCMT | 2 | 0 | 20 | 10 | PILL | 90 | 5" GUN | - | - | - | 20 | 20 | 20 | 20 | 99 | E42 | 45 | 20 |

JAPANESE UNIT DATA

| NO. | NAME | SIZE | SPD | CRW | 1st SHOT | CLS | RDO | TG | TG | HG | HG | FT | FH | ST | SH | TP | 1ST YR | LST YR | COST |
|-----|-----------|------|-----|-----|----------|---------|-----|-------|-------|-----|----|----|----|----|----|----|--------|--------|------|
| 1 | TYPE 92 | 3 | 15 | 2 | 15 | TANK | 10 | TMG | - | - | - | 1 | 1 | 1 | 1 | 1 | E42 | L42 | 8 |
| 2 | 94 HO-GO | 3 | 16 | 2 | 15 | TANK | 10 | TMG | - | - | - | 1 | 1 | 1 | 1 | 1 | E42 | L42 | 9 |
| 3 | 97 TE-KE | 3 | 16 | 2 | 5 | TANK | 10 | 37L33 | - | - | - | 1 | 1 | 1 | 1 | 1 | E42 | 45 | 11 |
| 4 | 95 HA-GO | 3 | 15 | 3 | 10 | TANK | 10 | 37L33 | TMG | TMG | - | 1 | 1 | 1 | 1 | 1 | E42 | 45 | 12 |
| 5 | 89 KO | 4 | 10 | 4 | 10 | TANK | 10 | 57L17 | TMG | TMG | - | 2 | 2 | 1 | 1 | 1 | E42 | L42 | 12 |
| 6 | 97 CHI-HA | 4 | 16 | 4 | 10 | TANK | 10 | 57L18 | - | TMG | - | 3 | 3 | 2 | 2 | 1 | E42 | 45 | 13 |
| 7 | 97 CHI-HE | 4 | 14 | 5 | 10 | TANK | 10 | 47L53 | TMG | TMG | - | 5 | 5 | 3 | 3 | 1 | L42 | 45 | 14 |
| 8 | 2 KA-MI | 4 | 14 | 6 | 10 | TANK | 10 | 57L17 | TMG | TMG | - | 1 | 1 | 1 | 1 | 1 | E42 | 45 | 13 |
| 9 | 3 KA-CHI | 4 | 12 | 7 | 10 | TANK | 10 | 47L53 | TMG | TMG | - | 5 | 5 | 3 | 3 | 1 | E43 | 45 | 14 |
| 10 | 92 OSAKA | 4 | 20 | 4 | 20 | AC | 10 | TMG | TMG | - | - | 1 | 1 | 1 | 1 | 1 | E42 | 45 | 8 |
| 11 | 93 SUMIDA | 4 | 18 | 4 | 20 | AC | 10 | TMG | TMG | - | - | 1 | 1 | 1 | 1 | 1 | E42 | 45 | 8 |
| 12 | LGHT TRCK | 3 | 12 | 2 | 0 | MDM VEH | 10 | - | - | - | - | 0 | 0 | 0 | 0 | 0 | E42 | 45 | 2 |
| 13 | MDM TRCK | 4 | 11 | 2 | 0 | HVY VEH | 10 | - | - | - | - | 0 | 0 | 0 | 0 | 0 | E42 | 45 | 2 |
| 14 | 20AT GUN | 1 | 0 | 2 | 15 | GUN | 10 | 20L55 | RIFLE | - | - | 0 | 0 | 0 | 0 | 5 | E42 | 45 | 3 |

SCENARIO NOTES:

Pacific Scenarios

Scenario Name: *KAKAZU RIDGE*

Date of Action: April 19, 1945
Map Size: 60 x 60
Visibility: 50
Axis Mission: Hold Objective
Allied Mission: Clear Objective
Game Length: 60 turns
Suggested Human Player: American
Historical Notes: Hidden in the rolling limestone hills of southern Okinawa was the first line of Japanese fortifications known as the Shuri Defense Line. Repeated American attacks failed to dislodge the entrenched Japanese troops. Finally, after massing 324 artillery pieces, the American launched a massive frontal assault across marshy terrain in an effort to overwhelm the fanatical defenders with sheer numbers and brute force.

European Scenarios

Scenario Name: *BOCAGE WALTZ*

Date of Action: June 1944
Map Size: 60 x 60
Visibility: 40
Axis Mission: Hold Objective
Allied Mission: Clear Objective
Game Length: 30
Suggested Human Player: American
Historical Notes: While breaking out of the Normandy beachhead, American armor and infantry teams encountered fierce resistance in the Bocage country of Brittany. Battling from hedgerow to hedgerow, the American advance slowed to a crawl as the point-blank fighting took a heavy toll on both the attackers and the skillfully emplaced defenders.

Asian Scenarios

Scenario Name: *KOHIMA*

Date of Action: April 1944
Map Size: 60 x 60
Visibility: 50
Axis Mission: Clear Objective
Allied Mission: Hold Objective
Game Length: 60
Suggested Human Player: British
Historical Notes: To forestall an impending British attack into Burma, the Japanese 15th army launched a pre-emptive assault into India at Imphal and Kohima in April of 1944. In order to cut north-south communications between Imphal and Assam, 15,000 Japanese stormed the road crossing at Kohima. With only 1,500 troops, some of dubious quality, Colonel Hugh Richards attempted to hang on to the vital communication center until a relief column could rescue his command.

Scenario Name: *IWO JIMA*

Date of Action: February 19, 1945
Map Size: 60 x 60
Visibility: 60
Axis Mission: Engage

Scenario Name: *OMAHA BEACH*

Date of Action: June 6, 1944
Map Size: 60 x 60
Visibility: 60
Axis Mission: Engage

Scenario Name: *KAMPAR*

Date of Action: December 1944
Map Size: 60 x 60
Visibility: 50
Axis Mission: Engage

| NO. | NAME | SIZE | SPD | CRW | 1st SHOT | CLS | RDO | TG | TG | HG | HG | FT | FH | ST | SH | TP | 1ST YR | LST YR | COST |
|-----|------------|------|-----|-----|----------|--------|-----|-----------|-----|-----|----|----|----|----|----|----|--------|--------|------|
| 6 | PZ-IIIJ | 4 | 13 | 5 | 15 | M.TANK | 90 | 50L60 | TMG | TMG | - | 7 | 6 | 4 | 3 | 3 | E42 | L43 | 11 |
| 7 | PZ-IIIN | 4 | 13 | 5 | 10 | M.TANK | 90 | 75L24 | TMG | TMG | - | 7 | 6 | 4 | 3 | 3 | L42 | 45 | 10 |
| 8 | PZ-38(T)E | 3 | 14 | 5 | 10 | L.TANK | 90 | 37L46 | TMG | TMG | - | 4 | 4 | 3 | 2 | 3 | 40 | 41 | 10 |
| 9 | PZ-IVC | 4 | 14 | 5 | 10 | M.TANK | 90 | 75L24 | TMG | - | - | 3 | 3 | 2 | 2 | 2 | 39 | 40 | 8 |
| 10 | PZ-IVE | 4 | 14 | 5 | 10 | M.TANK | 90 | 75L24 | TMG | TMG | - | 4 | 6 | 3 | 3 | 2 | 41 | E42 | 10 |
| 11 | PZ-IVF2S | 4 | 14 | 5 | 10 | M.TANK | 90 | 75L43 | TMG | TMG | - | 5 | 6 | 4 | 3 | 2 | E42 | L42 | 16 |
| 12 | PZ-IVG | 4 | 13 | 5 | 10 | M.TANK | 90 | 75L43 | TMG | TMG | - | 5 | 8 | 4 | 3 | 2 | L42 | E44 | 19 |
| 13 | PZ-IVH | 4 | 13 | 5 | 10 | M.TANK | 90 | 75L48 | TMG | TMG | - | 7 | 9 | 4 | 4 | 3 | E43 | 45 | 12 |
| 14 | PANTHER | 5 | 17 | 5 | 10 | M.TANK | 90 | 75L70 | TMG | TMG | - | 12 | 15 | 5 | 6 | 4 | L43 | 45 | 25 |
| 15 | TIGER | 5 | 12 | 5 | 10 | H.TANK | 90 | 88L56 | TMG | TMG | - | 14 | 11 | 8 | 8 | 4 | L42 | 45 | 25 |
| 16 | KING TIGER | 6 | 7 | 5 | 10 | H.TANK | 90 | 88L71 | TMG | TMG | - | 18 | 26 | 11 | 8 | 4 | L44 | 45 | 50 |
| 17 | BRUMBAR | 4 | 12 | 5 | 5 | AG | 90 | 150L10 | - | - | - | 14 | 11 | 4 | 3 | 4 | E44 | E45 | 17 |
| 18 | STUG-IIIB | 3 | 14 | 4 | 10 | AG | 90 | 75L24 | - | - | - | 6 | 6 | 3 | 3 | 3 | 40 | E43 | 9 |
| 19 | STUG-H42 | 3 | 13 | 4 | 10 | AG | 90 | 105L30 | TMG | - | - | 8 | 9 | 3 | 3 | 4 | L42 | 45 | 13 |
| 20 | STUG-IIIG | 3 | 13 | 4 | 10 | AG | 90 | 75L48 | TMG | - | - | 8 | 9 | 3 | 3 | 4 | L42 | 45 | 11 |
| 21 | STUG-IV | 3 | 13 | 4 | 10 | AG | 90 | 75L48 | TMG | - | - | 9 | 9 | 3 | 3 | 4 | E44 | 45 | 15 |
| 22 | JPZ-I | 3 | 16 | 3 | 15 | TD | 90 | 47L40 | - | - | - | 1 | 1 | 1 | 1 | 0 | 40 | E43 | 10 |
| 23 | MARDER | 4 | 13 | 4 | 10 | TD | 90 | 76L51 | TMG | - | - | 2 | 3 | 1 | 1 | 0 | E42 | 45 | 10 |
| 24 | NASHORN | 5 | 13 | 6 | 10 | TD | 90 | 88L71 | TMG | - | - | 2 | 3 | 1 | 2 | 0 | L43 | 45 | 16 |
| 25 | HETZER | 3 | 13 | 4 | 5 | TD | 90 | 75L48 | TMG | - | - | 14 | 14 | 3 | 3 | 4 | L44 | 45 | 15 |
| 26 | JPZ-IVL | 3 | 11 | 4 | 10 | TD | 90 | 75L70 | TMG | - | - | 14 | 14 | 4 | 3 | 4 | L44 | 45 | 20 |
| 27 | JGDPANTH | 4 | 17 | 5 | 10 | TD | 90 | 88L71 | TMG | - | - | 14 | 15 | 6 | 5 | 4 | L44 | 45 | 35 |
| 28 | ELEFANT | 6 | 7 | 6 | 10 | TD | 90 | 88L71 | - | - | - | 22 | 20 | 9 | 8 | 5 | L43 | L43 | 35 |
| 29 | JGDTIGER | 6 | 7 | 6 | 5 | TD | 90 | 128L55 | TMG | - | - | 26 | 26 | 11 | 8 | 4 | L44 | 45 | 60 |
| 30 | WESPE | 4 | 13 | 4 | 5 | SPA | 90 | 105FH | TMG | - | - | 1 | 2 | 1 | 1 | 0 | L42 | 45 | 10 |
| 31 | HUMMEL | 5 | 13 | 6 | 5 | SPA | 90 | 150FH | - | - | - | 2 | 3 | 1 | 2 | 0 | L43 | 45 | 14 |
| 32 | LORRAINE | 3 | 12 | 4 | 5 | SPA | 90 | 150FH | - | - | - | 1 | 1 | 1 | 1 | 0 | E42 | L42 | 12 |
| 33 | WIRBLEWIND | 5 | 14 | 4 | 20 | SPAA | 90 | 20AA-QUAD | TMG | - | - | 3 | 4 | 2 | 3 | 0 | L44 | E45 | 11 |
| 34 | OSTWIND | 5 | 13 | 4 | 20 | SPAA | 90 | 37AA | - | TMG | - | 4 | 6 | 3 | 3 | 0 | 45 | 45 | 12 |

BRITISH COMMONWEALTH FORMATIONS (CONTINUED)

| NO. | FORMATION | UNITS/HQ | UNIT TYPE | YEAR | AVAIL | NOTES |
|-----|----------------|----------|---------------|------|-------|--|
| 18 | INF TANK PLT | 3/1 | AFV X 3 | 39 | ALL | AFV=MATILDA II, VALENTINE III, VALENTINE IX, CHURCHILL I, CHURCHILL IV |
| 19 | 43 TANK PLT | 4/1 | AFV X 4 | E43 | TNK | AFV=SHERMAN I, CROMWELL |
| 20 | 44 TANK PLT | 4/1 | AFV X 4 | L44 | TNK | AFV=SHERMAN I, FIREFLY, CROMWELL, SHERMAN III, CENTAUR, CHALLENGER |
| 21 | LIGHT TANK PLT | 4/1 | AFV X 4 | E43 | ALL | AFV=HONEY, STUART VI |
| 22 | TANK DEST PLT | 4/1 | AFV X 4 | L44 | ALL | AFV=ARCHER, ACHILLES |
| 23 | REECE TROOP | 4/1 | APC X 2 | E43 | TNK | APC=KANGAROO, BREN, M3 HT |
| | | | AFV X 2 | | | AFV=SHERMAN I, CROMWELL |
| 24 | AC TROOP | 3/1 | AC X 3 | 39 | ALL | AC=DAIMLER, HUMBER, STAGHOUND |
| 25 | DIV TRANSPORT | 10/1 | VEH X 10 | 39 | ALL | VEH=1 1/2 TON, BREN, 2 1/2 TON, M3 HT, KANGAROO |
| 26 | CROCODILE SEC | 2/1 | CROCODILE X 2 | E44 | ALL | |
| 27 | CS TANK SEC | 2/1 | CS X 2 | 40 | ALL | CS=CRUSADER CS, MATILDA CS, CROMWELL CS, CHURCHILL CS |
| 28 | TANK SEC | 2/1 | AFV X 2 | 39 | ALL | AFV=HONEY, MATILDA II, GRANT, SHERMAN I, SHERM. III |
| 29 | SP ART SEC | 2/1 | AFV X 2 | E42 | ALL | AFV=BISHOP, PRIEST, SEXTON |
| 30 | AT SEC | 2/1 | AT X 2 | 39 | ALL | AT=2PDR, 6PDR, 17PDR |
| 31 | MORT SEC | 2/1 | MORT X 2 | 39 | ALL | MORT=3IN MORT, 4.2IN MORT |
| 32 | 25PDR SEC | 2/1 | 25PDR X 2 | 39 | ALL | |
| 33 | MG SEC | 3/1 | HMG SQD X 1 | E42 | ALL | |
| | | | MMG SQD X 2 | | | |
| 34 | ENGR SEC | 2/1 | ENGR SQD X 2 | 39 | ALL | |
| 35 | HVY WPNS SEC | 4/1 | INF SQD X 2 | 39 | ALL | |
| | | | MMG X 2 | | | |
| 36 | INF AT SEC | 3/1 | INF AT X 3 | E43 | ALL | |
| 37 | DIV ART | 4/1 | 25PDR X 16 | 39 | ALL | |
| 38 | CORPS ART | 4/1 | HOW X 8 | L42 | ALL | HOW=4.5" FH, 8" HOW |

| NO. | NAME | SIZE | SPD | CRW | 1st SHOT | CLS | RDO | TG | TG | HG | HG | FT | FH | ST | SH | TP | 1ST YR | LST YR | COST |
|-----|-----------|------|-----|-----|----------|------|-----|-----------|-------|-------|--------|----|----|----|----|----|--------|--------|------|
| 64 | SMG SQD | 1 | 6 | 10 | 23 | INF | 25 | SMG | LMG | ATR | CL GRN | 0 | 0 | 0 | 0 | 10 | 39 | E43 | 2 |
| 65 | SMG SQD | 1 | 6 | 10 | 23 | INF | 25 | SMG | LMG | PZFST | MOLTV | 0 | 0 | 0 | 0 | 10 | L43 | 45 | 3 |
| 66 | LIGHT ART | 1 | 0 | 32 | 5 | ART | 90 | 75FH | 75FH | 75FH | 75FH | 0 | 0 | 0 | 0 | 99 | 39 | 45 | 10 |
| 67 | MDM ART | 2 | 0 | 40 | 5 | ART | 90 | 105FH | 105FH | 105FH | 105FH | 0 | 0 | 0 | 0 | 99 | 39 | 45 | 15 |
| 68 | HVY ART | 3 | 0 | 48 | 5 | ART | 90 | 150FH | 150FH | 150FH | 150FH | 0 | 0 | 0 | 0 | 99 | 39 | 45 | 20 |
| 69 | INF AT | 1 | 6 | 2 | 23 | INF | 25 | PZSCHRECK | RIFLE | - | - | 0 | 0 | 0 | 0 | 2 | E44 | 45 | 1 |
| 70 | PILLBOX | 1 | 0 | 8 | 18 | PILL | 90 | 75L43 | HMG | MMG | LMG | 10 | 10 | 20 | 20 | 99 | 39 | 45 | 20 |

BRITISH COMMONWEALTH UNIT DATA

| NO. | NAME | SIZE | SPD | CRW | 1st SHOT | CLS | RDO | TG | TG | HG | HG | FT | FH | ST | SH | TP | 1ST YR | LST YR | COST |
|-----|--------------|------|-----|-----|----------|-------|-----|-------|----------|--------|-----|----|----|----|----|----|--------|--------|------|
| 1 | MK IIA | 2 | 15 | 2 | 20 | LTNK | 80 | TMG | - | - | - | 1 | 1 | 1 | 1 | 1 | 39 | 40 | 6 |
| 2 | MK VIC | 2 | 18 | 3 | 20 | LTNK | 90 | TMG | 15MMBESA | - | - | 2 | 2 | 1 | 1 | 1 | 39 | 41 | 9 |
| 3 | HONEY | 3 | 18 | 4 | 10 | LTNK | 90 | 37L53 | TMG | TMG | TMG | 4 | 4 | 4 | 3 | 3 | 41 | E44 | 11 |
| 4 | STUART VI | 3 | 17 | 4 | 10 | LTNK | 90 | 37L53 | TMG | TMG | TMG | 6 | 6 | 4 | 3 | 3 | E43 | 45 | 9 |
| 5 | A 10 | 4 | 8 | 5 | 10 | C.TNK | 90 | 2PDR | TMG | TMG | - | 3 | 3 | 1 | 1 | 1 | 39 | 40 | 9 |
| 6 | A 13 | 4 | 16 | 4 | 10 | C.TNK | 90 | 2PDR | TMG | - | - | 3 | 3 | 1 | 1 | 1 | 39 | 40 | 10 |
| 7 | CRUSADER I | 4 | 16 | 5 | 10 | C.TNK | 90 | 2PDR | TMG | TMG | - | 4 | 3 | 3 | 3 | 1 | 41 | E43 | 9 |
| 8 | CRUSADER III | 4 | 16 | 3 | 5 | C.TNK | 90 | 6PDR | TMG | - | - | 5 | 4 | 3 | 3 | 1 | L42 | E44 | 11 |
| 9 | MATILDA II | 3 | 8 | 4 | 10 | LTNK | 90 | 2PDR | TMG | - | - | 8 | 8 | 8 | 7 | 2 | 40 | E43 | 15 |
| 10 | VALENT III | 4 | 10 | 4 | 10 | LTNK | 90 | 2PDR | TMG | - | - | 6 | 7 | 6 | 5 | 2 | E42 | E43 | 10 |
| 11 | VALENTIX | 4 | 10 | 3 | 5 | LTNK | 90 | 6PDR | - | - | - | 6 | 7 | 6 | 5 | 2 | L42 | L43 | 11 |
| 12 | CHURCH I | 4 | 8 | 5 | 15 | LTNK | 90 | 2PDR | TMG | 3" HOW | - | 10 | 9 | 9 | 8 | 3 | L42 | L43 | 13 |
| 13 | CHURCH IV | 4 | 8 | 5 | 15 | LTNK | 90 | 6PDR | TMG | TMG | - | 11 | 9 | 10 | 8 | 3 | L43 | 45 | 15 |
| 14 | GRANT | 5 | 13 | 6 | 10 | M.TNK | 90 | 37L53 | TMG | 75L31 | TMG | 11 | 6 | 5 | 4 | 4 | E42 | L43 | 11 |
| 15 | SHERMAN I | 5 | 13 | 5 | 10 | M.TNK | 90 | 75L38 | TMG | TMG | - | 8 | 8 | 6 | 4 | 4 | L42 | L44 | 9 |
| 16 | SHERMAN III | 5 | 13 | 5 | 10 | M.TNK | 90 | 76L54 | TMG | TMG | TMG | 9 | 11 | 6 | 4 | 4 | L44 | 45 | 11 |

GERMAN FORMATIONS (CONTINUED)

| NO. | FORMATION | UNITS/HQS | UNIT TYPE | YEAR | AVAIL | NOTES |
|-----|---------------|-----------|-------------|------|-------|---|
| 26 | JPZ PLT | 4/1 | AFV X 4 | 40 | PZ | AFV=STUG-IV, JPZ-I, MARDER, HETZER, JPZ-IV |
| 27 | AG PLT | 4/1 | AFV X 4 | 40 | ALL | AFV=STUG-IIIB, STU-H42, STUG-IIIG, STUG-IV, HETZER |
| 28 | ND JPZ PLT | 3/1 | AFV X 3 | 40 | ALL | AFV=JPZ-I, NASHORN, JAGDPANTHER, ELEFANT, JAGDTIGER |
| 29 | ARM CAR PLT | 5/1 | AC X 5 | 39 | PZ | AC=SK222, SK231, SK250, SK251 |
| 30 | HVY AC PLT | 6/1 | AC X 6 | E44 | PZ | AC=234/1, PUMA, 234/3, 234/4 |
| 31 | DIV TRANSPORT | 10/1 | VEH X 10 | 39 | ALL | VEH=OPEL, BUES-NAG, SKFZ7, SK250, SK251 |
| 32 | FLAK PZ SEC | 2/1 | AFV X 2 | L44 | PZ | AFV=WIRBLEWIND, OSTWIND |
| 33 | SP IG SEC | 2/1 | AFV X 2 | L42 | PZ | AFV=BRUMBAR, STU-H42, STUG-IIIG, BISON |
| 34 | SP ART SEC | 2/1 | AFV X 2 | L42 | PZ | AFV=WESPE, HUMMEL, LORRAINE |
| 35 | AT SEC | 2/1 | AT X 2 | 39 | ALL | AT=37AT, 50AT, 75AT, 76AT(R) |
| 36 | 88 SEC | 4/1 | AT X 2 | 39 | PZ | AT=88AT, 88 FLAK, VEH=SKFZ7 |
| 37 | INF GUN SEC | 2/1 | IG X 2 | 39 | ALL | IG=75IG, 150IG |
| 38 | MORTAR SEC | 2/1 | MOR X 2 | 39 | ALL | MOR=81MOR, 120MOR |
| 39 | INF SEC | 2/1 | RIFLE X 2 | 39 | ALL | |
| 40 | ENG SEC | 2/1 | ENG SQD X 2 | 39 | ALL | |
| 41 | INF AT SEC | 3/1 | INF AT X 3 | 39 | ALL | |
| 42 | MG SEC | 3/1 | HMG X 1 | 39 | ALL | |
| | | | MMG X 2 | | | |
| 43 | DIV ART | 4/1 | 105FH X 12 | 39 | ALL | |
| | | | 150FH X 4 | | | |
| 44 | TK/SPG SEC | 2/1 | AFV X 2 | 39 | ALL | AFV=PZ-IVE, PZ-IVH, STUG-IIIB, STUG-IIIG, MARDER |

| NO. | NAME | SIZE | SPD | CRW | 1st SHOT | CLS | RDO | TG | TG | HG | HG | FT | FH | ST | SH | TP | 1ST YR | LST YR | COST |
|-----|---------|------|-----|-----|----------|-------|-----|--------|--------|--------|--------|----|----|----|----|----|--------|--------|------|
| 46 | MDM MG | 1 | 4 | 2 | 21 | MG | 20 | MMG | RIFLE | - | - | 0 | 0 | 0 | 0 | 2 | 39 | 45 | 2 |
| 47 | HVY MG | 1 | 3 | 3 | 20 | MG | 20 | HMG | RIFLE | - | - | 0 | 0 | 0 | 0 | 4 | 39 | 45 | 2 |
| 48 | INF SQD | 1 | 6 | 10 | 22 | INF | 20 | RIFLE | LMG | ATR | - | 0 | 0 | 0 | 0 | 10 | 39 | E43 | 2 |
| 49 | INF SQD | 1 | 6 | 10 | 22 | INF | 20 | RIFLE | LMG | LMG | PIAT | 0 | 0 | 0 | 0 | 10 | L43 | 45 | 3 |
| 0 | ENG SQD | 1 | 6 | 10 | 22 | INF | 20 | RIFLE | FLAME | DEMO | ATR | 0 | 0 | 0 | 0 | 10 | 39 | E43 | 4 |
| 51 | ENG SQD | 1 | 6 | 10 | 22 | INF | 20 | RIFLE | FLAME | DEMO | PIAT | 0 | 0 | 0 | 0 | 10 | L43 | 45 | 5 |
| 52 | MDM ART | 2 | 0 | 40 | 1 | ARTY | 90 | 25PDR | 25PDR | 25PDR | 25PDR | 0 | 0 | 0 | 0 | 99 | 39 | 45 | 15 |
| 53 | HVY ART | 2 | 0 | 50 | 1 | ARTY | 90 | 8"HOW | 8"HOW | 8"HOW | 8"HOW | 0 | 0 | 0 | 0 | 99 | L42 | 45 | 25 |
| 54 | HVY ART | 2 | 0 | 50 | 1 | ARTY | 90 | 4.5"FH | 4.5"FH | 4.5"FH | 4.5"FH | 0 | 0 | 0 | 0 | 99 | 39 | 45 | 20 |
| 55 | INF AT | 1 | 6 | 2 | 20 | INFAT | 20 | PIAT | RIFLE | - | - | 0 | 0 | 0 | 0 | 2 | L43 | 45 | 1 |
| 70 | PILLBOX | 1 | 0 | 10 | 10 | PILL | 90 | 25PDR | HMG | HMG | SMG | 10 | 10 | 20 | 20 | 99 | 39 | 45 | 20 |

JAPANESE FORMATIONS (CONTINUED)

| NO. | FORMATION | UNITS/HQS | UNIT TYPE | YEAR | AVAIL | NOTES |
|-----|---------------|-----------|-----------|------|-------|---|
| 35 | RGT ARTILLERY | 4/1 | GUNS X 16 | E42 | ALL | GUNS=75 FH, 105 FH |
| 36 | DIV ARTILLERY | 4/1 | GUNS X 16 | E42 | ALL | GUNS=105 FH, 150 FH |
| 37 | DESTROYER | 1/1 | GUNS X 4 | E42 | ALL | GUNS=5" |
| 38 | CRUISER | 3/1 | GUNS X 12 | E42 | ALL | GUNS=8", 5" |
| 39 | BATTLESHIP | 4/1 | GUNS X 16 | E42 | ALL | GUNS=14", 8", 5" |
| 40 | TANK | 1/1 | AFV X 1 | E42 | ALL | AFV=94 HO-GO, 95 HA-GO, 97 CHI-HA, 97 CHI-HE, 2 KA-MI |
| 41 | TANK SEC | 2/1 | AFV X 2 | E42 | ALL | AFV=94 HO-GO, 95 HA-GO, 97 CHI-HA, 97 CHI-HE, 2 KA-MI |
| 42 | DIV TRANSPORT | 9/1 | VEH.X.2 | E42 | ALL | VEH=LIGHT TRUCK, MED TRUCK |

GERMAN FORMATIONS

| NO. | FORMATION | UNITS/HQS | UNIT TYPE | YEAR | AVAIL | NOTES |
|-----|--------------|-----------|--|------|-------|----------------------------|
| 1 | BN HQ | 2/1 | SMG SQD X 1 APC X 1 | 39 | ALL | APC=SK250 |
| 2 | RIFLE CO | 18/4 | SMG SQD X 1 HMG X 2 MMG X 3 RIFLE SQD X 12 | 39 | ALL | |
| 3 | VLKSGRNDR CO | 16/4 | SMG SQD X 7 HMG X 1 MMG X 1 INF AT X 1 RIFLE SQD X 6 | L44 | INF | |
| 4 | PNZRGRNDR CO | 30/4 | SMG SQD X 1 APC X 15 HMG X 2 RIFLE X 12 | 41 | PZ | APC=SK250, SK251, SK251/10 |

| NO | WEAPON | SZ | PN | AC | RG | IA | AM |
|-----|-----------|----|----|----|-----|----|-----|
| 14 | 20L55 | 2 | 6 | 15 | 20 | 2 | 200 |
| 15 | 37L46 | 2 | 7 | 15 | 25 | 1 | 150 |
| 16 | 37L53 | 2 | 9 | 20 | 30 | 5 | 125 |
| 17 | 40AA | 2 | 8 | 11 | 50 | 9 | 125 |
| 18 | 15MM BESA | 1 | 4 | 15 | 20 | 6 | 200 |
| 19 | FLAMETHWR | 45 | 0 | 25 | 2 | 15 | 9 |
| 20 | 2 PDR | 3 | 7 | 15 | 30 | 1 | 100 |
| 21 | 47L32 | 3 | 5 | 8 | 30 | 1 | 105 |
| 22 | 47L34 | 3 | 6 | 9 | 30 | 2 | 100 |
| 23 | 47L40 | 3 | 8 | 15 | 30 | 1 | 110 |
| 24 | 47L53 | 3 | 7 | 10 | 50 | 2 | 65 |
| 25 | 50L42 | 3 | 8 | 10 | 30 | 2 | 100 |
| 26 | 50L60 | 3 | 10 | 15 | 30 | 2 | 80 |
| 27 | 57L17 | 3 | 3 | 5 | 30 | 2 | 90 |
| 27E | 57L52 | 3 | 11 | 9 | 40 | 2 | 100 |
| 28 | 58L18 | 3 | 4 | 5 | 30 | 2 | 90 |
| 28E | 57L73 | 3 | 12 | 16 | 40 | 2 | 100 |
| 29 | 6 PDR | 3 | 12 | 15 | 40 | 2 | 100 |
| 30 | 60MOR | 3 | 0 | 7 | 40 | 5 | 100 |
| 31 | 20AA-QUAD | 2 | 4 | 15 | 40 | 15 | 50 |
| 32 | 75L10 | 4 | 0 | 5 | 30 | 4 | 70 |
| 33 | 75 FH | 4 | 0 | 5 | 130 | 5 | 50 |
| 34 | 76L16 | 4 | 0 | 4 | 30 | 5 | 50 |
| 35 | 3 IN HOW | 4 | 0 | 5 | 30 | 5 | 50 |
| 36 | 76 FH | 4 | 0 | 8 | 140 | 5 | 50 |
| 37 | 3 IN MOR | 3 | 0 | 5 | 50 | 5 | 100 |
| 38 | 17 PDR | 4 | 19 | 15 | 50 | 5 | 75 |
| 39 | 75L17 | 4 | 4 | 5 | 25 | 5 | 60 |
| 40 | 75L18 | 4 | 6 | 4 | 30 | 5 | 80 |

AMERICAN FORMATIONS (CONTINUED)

| NO. | FORMATION | UNITS/HQS | UNIT TYPE | YEAR | AVAIL | NOTES |
|-----|---------------|-----------|----------------------------------|------|-------|--|
| 23 | INFANTRY SQD | 1/1 | INF SQD X 1 | E42 | ARM | INF=SMG SQD, RFLE SQD |
| 24 | INFANTRY SEC | 2/1 | INF SQD X 2 | E42 | ARM | INF=SMG SQD, RFLE SQD |
| 25 | ENGINEER SQD | 1/1 | ENG SQD X 1 | E42 | ARM | |
| 26 | ENGINEER SEC | 2/1 | ENG SQD X 2 | E42 | ALL | |
| 27 | BAZOOKA TEAM | 3/1 | BAZ TEAM X 3 | L43 | INF | |
| 28 | AT GUN | 1/1 | AT GUN X 1 | E42 | MAR | AT GUN=37 AT, 57 AT, 76 AT, 90 AT |
| 29 | AT GUN SEC | 2/1 | AT GUN X 2 | E42 | INF | AT GUN=37 AT, 57 AT, 76 AT, 90 AT |
| 30 | FIELD GUN | 1/1 | FLD GUN X 1 | E42 | INF | FLD GUN=75 HOW, 105 HOW, 155 HOW, |
| 31 | FIELD GUN SEC | 2/1 | FLD GUN X 2 | E42 | ALL | FLD GUN= 75 HOW, 105 HOW, 155 HOW |
| 32 | MORTAR SEC | 2/1 | MOR X 2 | E42 | ALL | MOR=60MM, 81MM, 4.2" |
| 33 | 50 CAL | 1/1 | 50 CAL X 1 | E42 | INF | |
| 34 | MG SEC | 3/1 | MMG X 1 HMG X 1 50 CAL X 1 | E42 | ALL | |
| 35 | REG ARTILLERY | 4/1 | GUNS X 16 | E 42 | ALL | GUNS= 75 HOW, 105 HOW |
| 36 | DIV ARTILLERY | 4/1 | GUNX X 16 | E42 | ALL | GUNS=105 HOW, 155 HOW |
| 37 | DESTROYER | 1/1 | GUNS X 4 | E42 | ALL | GUNS= 5" |
| 38 | CRUISER | 4/1 | GUNS X 16 | E42 | ALL | GUNS=8", 5" |
| 39 | BATTLESHIP | 5/1 | GUNS X 20 | E42 | ALL | GUNS=16", 8", 5" |
| 40 | ROCKET SEC | 2/1 | CALLIOPE X 2 | L43 | ALL | |
| 41 | SEABEE SEC | 4/1 | ENG SQD X 2 AFV X 2 | E43 | MAR | AFV=SHERMAN DOZER |
| 42 | FLAME SEC | 2/1 | AFV X 2 | L43 | ALL | AFV=SHERMAN FLAME, M3 SATAN, POA-CWS-H1 |
| 43 | DIV TRANSPORT | 9/1 | VEH X 9 | E42 | ALL | VEH=2 1/2 TON TRUCK, 1 1/2 TON TRUCK |
| 44 | TANK SEC | 2/1 | AFV X 2 | E42 | ALL | AFV=M3 STUART, M4A1 SHERMAN, M4A3 SHERMAN, M4E2 JUMBO, SHERMAN 105 |

| NO | WEAPON | SZ | PN | AC | RG | IA | AM |
|-----|------------|----|----|----|-----|----|-----|
| 69 | 100L60 | 6 | 21 | 12 | 60 | 7 | 35 |
| 70 | 100 FH | 6 | 0 | 10 | 130 | 7 | 30 |
| 71 | 105 FH | 6 | 0 | 10 | 130 | 7 | 50 |
| 72 | 4.2 MOR | 5 | 0 | 10 | 70 | 7 | 50 |
| 73 | 90 MOR | 4 | 0 | 5 | 130 | 7 | 70 |
| 73E | 120MOR | 4 | 0 | 5 | 130 | 8 | 30 |
| 74 | 5 IN GUN | 8 | 0 | 10 | 130 | 8 | 100 |
| 75 | 4.5 IN FH | 7 | 0 | 5 | 130 | 7 | 80 |
| 76 | 4.6 IN RKT | 7 | 0 | 4 | 140 | 9 | 20 |
| 77 | 14 IN GUN | 18 | 0 | 9 | 130 | 18 | 30 |
| 77E | 128L55 | 7 | 26 | 15 | 80 | 8 | 40 |
| 78 | 150L10 | 8 | 0 | 5 | 50 | 9 | 30 |
| 79 | 150 FH | 8 | 0 | 10 | 130 | 9 | 30 |
| 80 | 16 IN GUN | 20 | 0 | 10 | 130 | 20 | 25 |
| 81 | 8 IN GUN | 10 | 0 | 10 | 130 | 10 | 50 |
| 82 | 155 FH | 8 | 0 | 10 | 130 | 9 | 30 |
| 83 | FLAMETHWR | 45 | 0 | 25 | 1 | 9 | 6 |
| 84 | DEMO CHRQ | 10 | 2 | 15 | 1 | 9 | 3 |
| 85 | MOLOTOV | 1 | 30 | 12 | 1 | 1 | 4 |
| 86 | AT-MINE | 10 | 20 | 12 | 1 | 1 | 2 |
| 87 | CLSTR GRN | 2 | 10 | 12 | 1 | 6 | 4 |
| 88 | AT-RIFLE | 1 | 4 | 6 | 10 | 1 | 10 |
| 89 | POLE MINE | 10 | 20 | 12 | 1 | 1 | 2 |
| 89E | PZFAUST | 2 | 29 | 3 | 3 | 1 | 6 |
| 90 | PIAT | 3 | 10 | 1 | 2 | 1 | 6 |
| 91 | BAZOOKA | 3 | 14 | 2 | 4 | 1 | 6 |
| 92 | GREN.LAUN | 1 | 0 | 4 | 8 | 5 | 20 |

FORMATION COMPOSITION CHARTS:

The following charts show what you get when you purchase a formation after you have chosen one of the unit data sets. Where vehicles are listed, you may get one or more of the types shown depending on the time period and the organization of the force.

The following column headings are used:

NO.: Number of formation in data set

FORMATION: Name of formation.

UNITS/HQS: Number of units and headquarters in the formation.

UNIT TYPE: The type(s) of units in the formation.

YEAR:

First year of availability.

AVAIL.:

The type of force for which the formation is available.

NOTES:

A listing of the vehicles which may be generated for the formation.

AMERICAN FORMATIONS

| NO. | FORMATION | UNITS/HQS | UNIT TYPE | YEAR | AVAIL | NOTES |
|-----|-------------|-----------|--|------|-------|-----------------------------------|
| 1 | BN HQ | 2/1 | SMG SQD X 1 VEH X 1 | E42 | ALL | VEH = JEEP |
| 2 | INFANTRY CO | 19/4 | RFLE SQD X 10 MOR X 3 MMG X 5 50 CAL X 1 | E42 | ALL | MOR=60MM |
| 3 | MARINE CO | 18/4 | MRNE SQD X 7 ENG SQD X 3 HMG X 2 MMG X 3 MOR X 2 AT SEC X 1 | E42 | MAR | MOR=60MM AT=37 AT GUN, BAZOOKA |
| 4 | MECH INF CO | 34/4 | SMG SQD X 4 RFLE SQD X 6 MOR X 3 MMG X 5 50 CAL X 1 | E42 | ARM | MOR=60 MM VEH=M3-MG, M3-HT |

| NO. | FORMATION | UNITS/HQS | UNIT TYPE | YEAR | AVAIL | NOTES |
|-----|---------------|-----------|---|------|-------|---|
| 5 | LT TANK CO | 17/4 | VEH X 15 AFV X 17 | E42 | ARM | AFV=M3 STUART, M5 STUART, M24 CHAFFEE |
| 6 | TANK CO | 17/4 | AFV X 17 | E42 | ALL | AFV=M3 LEE, M4A1 SHERMAN, M4A3 SHERMAN, M4E8 SHERMAN, T-26 PERSHING |
| 7 | TANK DEST CO | 18/4 | AC X 6 AFV X 12 | L44 | ARM | AC=M8 GREYHOUND AFV=M10 GMC, M18 HELLCAT, M36 GMC |
| 8 | PARATROOP CO | 20/4 | SMG SQD X 10 MMG X 6 50 CAL X 1 MOR X 3 | E42 | ALL | MOR=60MM |
| 11 | ENGINEER PLT | 3/1 | ENG SQD X 3 | E42 | ALL | |
| 12 | INFANTRY PLT | 4/1 | RFLE SQD X 3 MMG X 1 | E42 | INF | |
| 13 | MARINE PLT | 4/1 | MRNE SQD X 2 ENG SQD X 1 MMG X 1 | E42 | MAR | |
| 14 | MECH INF PLT | 8/1 | SMG SQD X 1 RFLE SQD X 2 MMG X 1 VEH X 4 | E42 | ARM | VEH=M3-MG, M3-HT |
| 15 | LT TANK PLT | 5/1 | AFV X 5 | E42 | ARM | AFV=M3 STUART, M5 STUART, M24 CHAFFEE, |
| 16 | TANK PLT | 5/1 | AFV X 5 | E42 | ALL | AFV=M3 LEE, M4A1 SHERMAN, M4A3 SHERMAN, M4E8 SHERMAN, T-26 PERSHING |
| 17 | TANK DEST PLT | 4/1 | AFV X 4 | E43 | ALL | AFV=M10 GMC, M18 HELLCAT, M36 GMC |
| 18 | ARM CAR PLT | 5/1 | AC X 5 | E42 | ARM | AC=M8 GREYHOUND, M20 SCOUTCAR |
| 19 | PARATROOP PLT | 6/1 | SMG SQD X 3 MMG X 2 MOR X 1 | E42 | INF | MOR = 60MM |
| 20 | AA PLT | 4/1 | VEH X 4 | E42 | ALL | VEH=M15 A1, M16 HT, M19 HT |

WEAPONS (CONTINUED)

| NO | WEAPON | SZ | PN | AC | RG | IA | AM |
|-----|-----------|----|----|----|-----|----|-----|
| 41 | 75L24 | 4 | 6 | 5 | 30 | 6 | 80 |
| 42 | 75L31/M2 | 4 | 9 | 8 | 40 | 5 | 50 |
| 43 | 75L28F | 4 | 8 | 8 | 50 | 5 | 50 |
| 44 | 75L34 | 4 | 10 | 10 | 40 | 5 | 40 |
| 45 | 75L38 | 4 | 10 | 10 | 40 | 6 | 90 |
| 46 | 75L43 | 4 | 13 | 15 | 50 | 5 | 85 |
| 47 | 75L48 | 4 | 14 | 16 | 50 | 5 | 85 |
| 48 | 75L70 | 4 | 19 | 20 | 60 | 5 | 80 |
| 49 | 76L26 | 4 | 5 | 5 | 25 | 5 | 70 |
| 50 | 76L35 | 4 | 8 | 8 | 30 | 5 | 80 |
| 51 | 76L41 | 4 | 9 | 12 | 40 | 5 | 75 |
| 52 | 76L51 | 4 | 13 | 15 | 50 | 5 | 70 |
| 53 | 76L54 | 4 | 13 | 15 | 40 | 4 | 50 |
| 54 | 77L49 | 4 | 15 | 15 | 50 | 5 | 60 |
| 55 | 75L55 | 4 | 20 | 14 | 50 | 1 | 50 |
| 56 | 81MOR | 3 | 0 | 5 | 55 | 6 | 100 |
| 57 | 70MOR | 3 | 0 | 10 | 50 | 5 | 100 |
| 57E | 82MOR | 3 | 0 | 10 | 50 | 6 | 100 |
| 58 | 85L53 | 5 | 12 | 12 | 50 | 6 | 55 |
| 59 | 88FLAK-18 | 5 | 15 | 16 | 80 | 6 | 50 |
| 60 | 88L56 | 5 | 15 | 15 | 60 | 6 | 90 |
| 61 | 88L71/KWK | 5 | 22 | 20 | 60 | 6 | 85 |
| 62 | 88L71/PAK | 5 | 22 | 22 | 80 | 6 | 40 |
| 63 | 25 PDR | 5 | 0 | 6 | 140 | 6 | 40 |
| 64 | 90L50 | 5 | 19 | 14 | 60 | 6 | 45 |
| 65 | 90L53 | 5 | 15 | 12 | 60 | 6 | 40 |
| 66 | 152L20 | 8 | 0 | 4 | 30 | 9 | 30 |
| 67 | 95 HOW | 5 | 0 | 5 | 40 | 6 | 40 |
| 68 | 105L30 | 6 | 0 | 10 | 40 | 6 | 60 |

JAPANESE FORMATIONS

| NO. | FORMATION | UNITS/HQS | UNIT TYPE | YEAR | AVAIL | NOTES |
|-----|-----------------|-----------|--------------------------|------|-------|--|
| 1 | RGT HQ | 2/1 | INF SQD X 1 TRUCK X 1 | E42 | ALL | |
| 2 | INFANTRY CO | 13/4 | INF SQD X 13 | E42 | ALL | |
| 3 | SNLF CO | 16/4 | INF SQD X 16 | E42 | NAV | |
| 4 | TANK CO | 22/5 | AFV X 22 | E42 | ARM | AFV=TYPE 92, 94 HO-GO, 97 TE-KE, 95 HA-GO, 89 KO, 97 CHI-HA, 97 CHI-HE |
| 11 | INFANTRY PLT | 4/1 | INF SQD X 4 | E42 | ALL | |
| 12 | SNLF PLT | 5/1 | INF SQD X 5 | E42 | NAV | |
| 13 | LABOR PLT | 4/1 | INF SQD X 4 | E42 | ALL | |
| 14 | ENGINEER PLT | 4/1 | ENG SQD X 4 | E42 | ALL | |
| 15 | LT TANK PLT | 4/1 | AFV X 4 | E42 | ARM | AFV=TYPE 92, 94 HO-GO, 97 TE-KE, 95 HA-GO |
| 16 | MDM TANK PLT | 5/1 | AFV X 5 | E42 | ARM | AFV=89 KO, 97 CHI-HA, 97 CHI HE |
| 17 | AMPHIBIOUS PLT | 4/1 | AFV X 4 | E42 | NAV | AFV=2 KA-MI, 3KA-CHI |
| 18 | ARM CAR PLT | 5/1 | AC X 5 | E42 | ALL | AC=92 OSAKA, 93 SUMUDA |
| 22 | PILLBOXES | 2/1 | PILLBOX X 2 | E42 | ALL | |
| 23 | INFANTRY SQD | 1/1 | INF SQD X 1 | E42 | ALL | |
| 24 | INFANTRY SEC | 2/1 | INF SQD X 2 | E42 | ALL | |
| 25 | ENGINEER SQD | 1/1 | ENG SQD X 1 | E42 | ALL | |
| 26 | ENGINEER SEC | 2/1 | ENG SEC X 2 | E42 | ALL | |
| 27 | SPEC ATTCK FRCE | 10/1 | MEN X 10 | L44 | ALL | |
| 28 | AT GUN | 1/1 | AT GUN X 1 | E42 | ALL | AT GUN=20 AT, 37 AT, 47 AT |
| 29 | AT GUN SEC | 2/1 | AT GUN X 2 | E42 | ALL | AT GUN=20 AT, 37 AT, 47 AT |
| 30 | INF GUN | 1/1 | 75 IG X 1 | E42 | ALL | |
| 31 | INF GUN SEC | 2/1 | 75 IG X 2 | E42 | ALL | |
| 32 | MORTAR SEC | 2/1 | MOR X 2 | E42 | ALL | MOR=70MM, 90MM |
| 33 | MG | 1/1 | MMG X 1 | E42 | ALL | |
| 34 | MG SEC | 3/1 | MMG X 3 | E42 | ALL | |

WEAPONS CHART:

You can change a unit's weapon type by editing the unit and entering the weapon number when asked for it. A unit can have up to 4 weapons. For vehicles, the first two weapons are considered to be located in the upper hull or turret; the last two in the lower hull.

The following gun types are not listed by data set. Thus, you can put a German 88mm gun on a British

tank. The exception to this is for the weapons set used for the European Front. Some guns that appear in the Pacific or in Asia do not appear in Europe; their place is taken by another gun. You can tell from the chart which guns these are by looking for duplicate weapon numbers. A number followed by an "E" designates a gun which appears only in Europe; the other gun with the same number appears on the other fronts.

The following column headings are used on the weapons chart:

No: Weapon number.
Weapon: Weapon name.
SZ: Shell size of projectile fired by weapon.
PN: Penetration rating of gun.
AC: Accuracy rating of gun.
RG: Maximum range of gun in squares.
IA: The infantry attack rating of the gun.
IM: The maximum amount of ammo the gun might have at the beginning of a battle.

WEAPONS

| NO | WEAPON | SZ | PN | AC | RG | IA | AM |
|----|------------|----|----|----|----|----|-----|
| 1 | RIFLE | 1 | 0 | 5 | 10 | 2 | 200 |
| 2 | SMG | 1 | 0 | 3 | 6 | 4 | 150 |
| 3 | S.A. RIFLE | 1 | 0 | 5 | 10 | 3 | 100 |
| 4 | MMG | 1 | 0 | 10 | 16 | 9 | 150 |
| 5 | HMG | 1 | 1 | 12 | 18 | 12 | 100 |
| 6 | TMG | 1 | 0 | 6 | 10 | 8 | 100 |
| 7 | BAR | 1 | 0 | 8 | 10 | 4 | 100 |
| 8 | 50 CAL | 1 | 3 | 12 | 20 | 14 | 100 |
| 9 | LMG | 1 | 0 | 8 | 10 | 6 | 100 |
| 10 | GREN LNCH | 1 | 0 | 4 | 8 | 5 | 20 |
| 11 | 37AA | 2 | 6 | 15 | 40 | 9 | 100 |
| 12 | 37L21 | 2 | 5 | 5 | 20 | 1 | 125 |
| 13 | 37L33 | 2 | 5 | 6 | 25 | 1 | 100 |

| NO. | FORMATION | UNITS/HQS | UNIT TYPE | YEAR | AVAIL | NOTES |
|-----|----------------|-----------|---------------|------|-------|--|
| 5 | STUG CO | 14/4 | AFV X 14 | E43 | ALL | AFV=STUG-IIIIB, STUG-IIIIG, STUG-IV, HETZER |
| 6 | PZ CO 39-40 | 22/5 | AFV X 22 | 39 | PZ | AFV=PZ-IB, PZ-IIC, PZ-IIIE, PZ-38(T)E |
| 7 | PZ CO 41-42 | 17/4 | AFV X 17 | 41 | PZ | AFV=PZ-IIIE, PZ-IIIH, PZ-IIIJ, PZ-38(T)E |
| 8 | PZ CO 43-45 | 14/4 | AFV X 14 | E43 | PZ | AFV=PZ-IVG, PZ-IVH, PANTHER |
| 9 | SS PZ CO | 17/4 | AFV X 17 | E43 | PZ | AFV=PZ-IVG, PZ-IVH, PANTHER |
| 10 | HVY PZ CO | 14/4 | AFV X 14 | E44 | PZ | AFV=TIGER, KING TIGER |
| 11 | TIGER CO | 12/3 | TIGER X 4 | L42 | PZ | AFV=PZ-IIIJ, PZ-IIIN, PZ-IVE |
| | | | AFV X 8 | | | |
| 12 | RECON CO | 23/4 | RIFLE SQD X 4 | 39 | PZ | APC=SK250, SK251, SK251/10, AC=SK222, SK231, SK251 |
| | | | ENGR SQD X 4 | | | |
| | | | APC X 8 | | | |
| | | | AC X 7 | | | |
| 13 | RIFLE PLT | 5/1 | RIFLE SQD X 4 | 39 | ALL | |
| | | | MMG X 1 | | | |
| 14 | FALSHRMJGR PLT | 4/1 | SMG SQD X 4 | 39 | INF | |
| 15 | VLKSGRNDR PLT | 4/1 | SMG SQD X 3 | L44 | INF | |
| | | | RIFLE SQD X 1 | | | |
| 16 | ARM ENG PLT | 8/1 | ENG SQD X 4 | 39 | ALL | APC=SK250, SK251, SK251/10 |
| | | | APC X 4 | | | |
| 17 | PZGRNDR PLT | 8/1 | RIFLE SQD X 4 | 39 | PZ | APC=SK250, SK251, SK251/10 |
| | | | APC X 4 | | | |
| 18 | HVY SUP PLT | 4/1 | AFV X 4 | L42 | PZ | AFV=PZ-IIIJ, PZ-IIIN, PZ-IVE |
| 19 | PZ REC PLT | 7/1 | AFV X 7 | 39 | PZ | AFV=PZ-IB, PZ-IIC, LYNX |
| 20 | PZ PLT 39-40 | 5/1 | AFV X 5 | 39 | PZ | AFV=PZ-IB, PZ-IIC, PZ-IIIE, PZ-38(T)E |
| 21 | PZ PLT 41-42 | 5/1 | AFV X 5 | 41 | PZ | AFV=PZ-IIIE, PZ-IIIH, PZ-IIIJ, PZ-38(T)E |
| 22 | PZ PLT 43-45 | 4/1 | AFV X 4 | E43 | PZ | AFV=PZ-IVG, PZ-IVH, PANTHER |
| 23 | SS PZ PLT | 5/1 | AFV X 5 | E43 | PZ | AFV=PZ-IVG, PZ-IVH, PANTHER |
| 24 | HVY PZ PLT | 4/1 | AFV X 4 | 39 | PZ | AFV=PZ-IVC, PZ-IVE, PZ-IVF2, TIGER KING, TIGER |
| 25 | STUG PLT | 4/1 | AFV X 4 | L42 | ALL | AFV=STUG-IIIIB, STUG-IIIIG, STUG-IV, HETZER |

BRITISH COMMONWEALTH UNIT DATA (CONTINUED)

| NO. | NAME | SIZE | SPD | CRW | 1st SHOT | CLS | RDO | TG | TG | HG | HG | FT | FH | ST | SH | TP | 1ST YR | LST YR | COST |
|-----|------------|------|-----|-----|----------|--------|-----|--------|-------|-------|----|----|----|----|----|----|--------|--------|------|
| 17 | CROMWELL | 4 | 20 | 5 | 15 | M.TNK | 90 | 6PDR | TMG | TMG | - | 8 | 8 | 7 | 3 | 2 | L43 | 45 | 13 |
| 18 | CENTAUR | 4 | 20 | 5 | 10 | M.TNK | 90 | 75L38 | TMG | TMG | - | 8 | 8 | 7 | 3 | 2 | E44 | 45 | 15 |
| 19 | FIREFLY | 5 | 12 | 5 | 10 | M.TNK | 90 | 17PDR | TMG | - | - | 11 | 9 | 6 | 4 | 4 | L44 | 45 | 16 |
| 20 | CHALLENGER | 5 | 18 | 5 | 10 | M.TNK | 90 | 17PDR | TMG | - | - | 8 | 9 | 7 | 3 | 2 | L44 | 45 | 19 |
| 21 | COMET | 4 | 16 | 5 | 10 | M.TNK | 90 | 77L49 | TMG | TMG | - | 10 | 8 | 6 | 3 | 2 | 45 | 45 | 17 |
| 22 | ARCHER | 4 | 11 | 4 | 10 | TD | 90 | 17PDR | TMG | - | - | 1 | 6 | 1 | 6 | 0 | L44 | 45 | 15 |
| 23 | ACHILLES | 4 | 16 | 5 | 10 | TD | 90 | 17PDR | TMG | - | - | 8 | 7 | 3 | 2 | 0 | 45 | 45 | 17 |
| 24 | CRUSDR CS | 4 | 16 | 5 | 5 | CS TNK | 90 | 3*HOW | TMG | TMG | - | 4 | 3 | 3 | 3 | 1 | 41 | E43 | 10 |
| 25 | MATLDA CS | 3 | 8 | 4 | 5 | CS TNK | 90 | 3*HOW | TMG | - | - | 8 | 8 | 8 | 7 | 2 | 41 | E43 | 12 |
| 26 | CRMWL CS | 4 | 20 | 5 | 5 | CS TNK | 90 | 95 HOW | TMG | TMG | - | 8 | 8 | 7 | 3 | 2 | L43 | 45 | 14 |
| 27 | CHURCH CS | 4 | 8 | 5 | 10 | CS TNK | 90 | 95HOW | TMG | TMG | - | 11 | 9 | 10 | 8 | 3 | E43 | 45 | 15 |
| 28 | CROCODILE | 4 | 8 | 5 | 13 | FT TNK | 90 | 6PDR | TMG | FLAME | - | 15 | 13 | 14 | 12 | 3 | E44 | 45 | 25 |
| 29 | BISHOP | 6 | 10 | 4 | 5 | SPA | 90 | 25PDR | TMG | - | - | 1 | 6 | 1 | 4 | 1 | E42 | E43 | 11 |
| 30 | PRIEST | 4 | 14 | 4 | 10 | SPA | 90 | 105FH | TMG | - | - | 2 | 3 | 1 | 1 | 0 | L42 | 45 | 9 |
| 31 | SEXTON | 4 | 13 | 6 | 15 | SPA | 90 | 25PDR | TMG | TMG | - | 2 | 2 | 1 | 1 | 0 | L43 | 45 | 8 |
| 32 | DAIMLER | 3 | 24 | 3 | 10 | AC | 90 | 2PDR | TMG | - | - | 2 | 2 | 1 | 1 | 1 | 39 | 45 | 9 |
| 33 | HUMBER | 3 | 24 | 3 | 20 | AC | 90 | TMG | TMG | - | - | 2 | 2 | 1 | 1 | 1 | 39 | 45 | 6 |
| 34 | STAGHOUND | 3 | 24 | 4 | 10 | AC | 90 | 75L38 | TMG | TMG | - | 5 | 2 | 3 | 2 | 1 | E44 | 45 | 12 |
| 35 | BREN | 2 | 18 | 2 | 20 | M VEH | 50 | TMG | ATR | - | - | 1 | 1 | 1 | 1 | 0 | 39 | 45 | 4 |
| 36 | M3 HT | 3 | 19 | 2 | 20 | MDM HT | 90 | TMG | - | - | - | 1 | 1 | 1 | 1 | 0 | E42 | 45 | 4 |
| 37 | KANGAROO | 4 | 13 | 2 | 20 | M VEH | 90 | TMG | - | - | - | 11 | 11 | 4 | 4 | 0 | L44 | 45 | 6 |
| 38 | 1½ TON | 3 | 12 | 2 | - | MDM HT | 20 | - | - | - | - | 0 | 0 | 0 | 0 | 0 | 39 | 45 | 2 |
| 39 | 2½ TON | 4 | 10 | 2 | - | HVY TR | 20 | - | - | - | - | 0 | 0 | 0 | 0 | 0 | 39 | 45 | 2 |
| 40 | 2PDR AT | 1 | 0 | 5 | 20 | ATG | 80 | 2PDR | RIFLE | - | - | 0 | 0 | 0 | 0 | 10 | 39 | L42 | 4 |
| 41 | 6PDR AT | 1 | 0 | 6 | 20 | ATG | 80 | 6PDR | RIFLE | - | - | 0 | 0 | 0 | 0 | 10 | E43 | 45 | 6 |
| 42 | 17PDR AT | 1 | 0 | 6 | 15 | ATG | 80 | 17PDR | RIFLE | - | - | 0 | 0 | 0 | 0 | 10 | L44 | 45 | 9 |
| 43 | 25 PDR | 2 | 0 | 8 | 5 | IG | 80 | 25PDR | RIFLE | - | - | 0 | 0 | 0 | 0 | 15 | 39 | 45 | 5 |
| 44 | 3*MOR | 1 | 3 | 3 | 15 | MORT | 80 | 3*MOR | RIFLE | - | - | 0 | 0 | 0 | 0 | 3 | 39 | 45 | 3 |
| 45 | 4.2*MOR | 1 | 2 | 4 | 15 | MORT | 80 | 4.2*MO | RIFLE | - | - | 0 | 0 | 0 | 0 | 5 | 39 | 45 | 4 |

BRITISH COMMONWEALTH FORMATIONS

| NO. | FORMATION | UNITS/HQS | UNIT TYPE | YEAR | AVAIL | NOTES |
|-----|---------------|-----------|--------------------------|------|-------|--|
| 1 | BN HQ | 2/1 | INF SQD X 1 APC X 1 | 39 | ALL | APC=KANGAROO, BREN, M3 HT |
| 2 | INF CO | 14/4 | INF SQD X 13 MG X 1 | 39 | ALL | |
| 3 | MECH CO | 29/4 | INF SQD X 12 APC X 17 | 39 | TNK | APC=KANGAROO, BREN, M3 HT |
| 4 | HUSSAR SQDRN | 16/4 | AFV X 16 | 39 | TNK | AFV=MKIIA, MKVIC, HONEY, STUART VI |
| 5 | CRUISER SQDRN | 16/4 | AFV X 14 CS X 2 | 39 | TNK | AFV=A-10, A-13, CRUSADER I, CRUSADER III CS=MATILDA CS, CRUSADER CS, CHURCHILL CS |
| 6 | DRAGOON SQDRN | 12/4 | AFV X 12 | E42 | TNK | AFV=HONEY, CRUSADER I, SHERMAN I, LEE |
| 7 | INF TANK CO | 17/6 | AFV X 16 CS X 1 | 39 | ALL | AFV=VALENTINE III, VALENTINE IX, MATILDA II, CHURCHILL I, CHURCHILL IV CS=CROMWELL CS, MATILDA CS, CRUSADER CS, CHURCHILL CS |
| 8 | 43 TANK CO | 16/4 | AFV X 14 CS X 2 | E43 | TNK | AFV=CROMWELL, SHERMAN I CS=CHURCHILL CS, CROMWELL CS, CRUSADER CS, MATILDA CS |
| 9 | 44 TANK CO | 14/4 | AFV X 14 | L44 | TNK | AFV=SHERMAN I, FIREFLY, SHERMAN III, CROMWELL, CENTAUR, CHALLENGER |
| 10 | TANK DEST CO | 14/4 | AFV X 12 AC X 2 | L44 | ALL | AFV=ARCHER, ACHILLES AC=DAIMLER, HUMBER, STAGHOUND |
| 11 | AC SQDRN | 18/6 | AC X 18 | 39 | TNK | AC=DAIMLER, HUMBER, STAGHOUND |
| 12 | INF PLT | 4/1 | INF SQD X 4 | 39 | ALL | |
| 13 | ENGR PLT | 4/1 | ENGR SQD X 4 | 39 | ALL | |
| 14 | MECH PLT | 8/1 | INF SQD X 4 APC X 4 | 39 | TNK | APC=KANGAROO, BREN, M3 HT |
| 15 | HUSSAR TROOP | 4/1 | AFV X 4 | 39 | TNK | AFV=MKIIA, MKVIC, HONEY, STUART VI |
| 16 | CRUISER TROOP | 4/1 | AFV X 4 | 39 | TNK | AFV=A-10, CRUSADER I, A-13, CRUSADER III |
| 17 | DRAGOON TROOP | 3/1 | AFV X 3 | E42 | TNK | AFV=HONEY, CRUSADER I, GRANT, SHERMAN I |

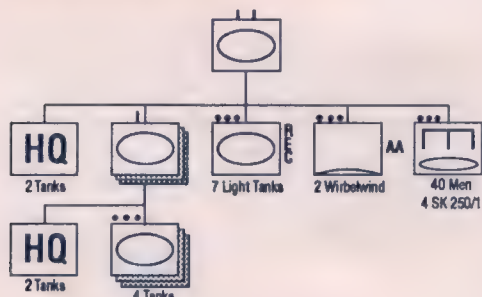
GERMAN UNIT DATA (CONTINUED)

| NO. | NAME | SIZE | SPD | CRW | 1st SHOT | CLS | RDO | TG | TG | HG | HG | FT | FH | ST | SH | TP | 1ST YR | LST YR | COST |
|-----|-----------|------|-----|-----|----------|--------|-----|--------|-------|--------|------|----|----|----|----|----|--------|--------|------|
| 35 | BISON | 4 | 14 | 5 | 5 | AG | 90 | 150L10 | - | - | - | 1 | 2 | 1 | 1 | 0 | L42 | 45 | 10 |
| 36 | SKFZ-222 | 3 | 20 | 2 | 15 | AC | 90 | 20L55 | TMG | - | - | 1 | 2 | 1 | 1 | 0 | 39 | 45 | 8 |
| 37 | SKFZ-231 | 4 | 20 | 2 | 15 | AC | 90 | 20L55 | TMG | - | - | 1 | 2 | 1 | 1 | 1 | 39 | 45 | 8 |
| 38 | SFZ-234/1 | 3 | 18 | 4 | 15 | AC | 90 | 20L55 | TMG | - | - | 4 | 4 | 1 | 1 | 0 | L44 | 45 | 8 |
| 39 | PUMA | 3 | 18 | 4 | 15 | AC | 90 | 50L60 | TMG | - | - | 4 | 4 | 1 | 1 | 1 | L43 | 45 | 10 |
| 40 | SFZ-234/3 | 3 | 18 | 4 | 15 | AC | 90 | 75L24 | TMG | - | - | 3 | 4 | 1 | 1 | 0 | L44 | 45 | 10 |
| 41 | SFZ-243/4 | 3 | 18 | 4 | 15 | AC | 90 | 75L48 | TMG | - | - | 3 | 4 | 1 | 1 | 0 | 45 | 45 | 12 |
| 42 | SK250/HT | 3 | 18 | 2 | 20 | MDM HT | 90 | TMG | - | - | - | 1 | 1 | 1 | 1 | 0 | 39 | 45 | 4 |
| 43 | SK251/HT | 3 | 16 | 3 | 20 | MDM HT | 90 | TMG | TMG | - | - | 1 | 1 | 1 | 1 | 0 | 39 | 45 | 4 |
| 44 | SK251/10 | 3 | 15 | 3 | 20 | MDM HT | 90 | 37L46 | TMG | - | - | 1 | 1 | 1 | 1 | 0 | 39 | 45 | 8 |
| 45 | SKFZ-7 | 4 | 17 | 2 | 0 | HVY HT | 90 | - | - | - | - | 0 | 0 | 0 | 0 | 0 | 39 | 45 | 2 |
| 46 | OPEL | 4 | 14 | 2 | 0 | MDM TR | 50 | - | - | - | - | 0 | 0 | 0 | 0 | 0 | 39 | 45 | 2 |
| 47 | BUES-NAG | 4 | 12 | 2 | 0 | HVY TR | 50 | - | - | - | - | 0 | 0 | 0 | 0 | 0 | 39 | 45 | 2 |
| 48 | 37AT | 1 | 0 | 5 | 20 | ATG | 80 | 37L46 | RIFLE | - | - | 0 | 0 | 0 | 0 | 10 | 39 | L42 | 4 |
| 49 | 50AT | 1 | 0 | 6 | 20 | ATG | 80 | 50L60 | RIFLE | - | - | 0 | 0 | 0 | 0 | 10 | 41 | E43 | 6 |
| 50 | 75AT | 1 | 0 | 6 | 15 | ATG | 80 | 75L48 | RIFLE | - | - | 0 | 0 | 0 | 0 | 10 | L42 | 45 | 7 |
| 51 | 76AT(R) | 1 | 0 | 6 | 15 | ATG | 80 | 76L51 | RIFLE | - | - | 0 | 0 | 0 | 0 | 10 | E42 | 45 | 6 |
| 52 | 88AT | 2 | 0 | 8 | 15 | ATG | 80 | 88L71 | RIFLE | - | - | 0 | 0 | 0 | 0 | 15 | E44 | 45 | 14 |
| 53 | 88FLAK | 2 | 0 | 8 | 15 | ATG | 80 | 88FLAK | RIFLE | - | - | 0 | 0 | 0 | 0 | 15 | 39 | 45 | 10 |
| 54 | 75IG | 1 | 0 | 6 | 15 | IG | 80 | 75L24 | RIFLE | - | - | 0 | 0 | 0 | 0 | 10 | 39 | 45 | 4 |
| 55 | 150IG | 2 | 0 | 8 | 5 | IG | 80 | 150L10 | RIFLE | - | - | 0 | 0 | 0 | 0 | 15 | 39 | 45 | 7 |
| 56 | 81 MORT | 1 | 3 | 3 | 20 | MORT | 90 | 81MOR | RIFLE | - | - | 0 | 0 | 0 | 0 | 3 | 39 | 45 | 3 |
| 57 | 120 MORT | 1 | 2 | 3 | 15 | MORT | 90 | 120MOR | RIFLE | - | - | 0 | 0 | 0 | 0 | 5 | E43 | 45 | 4 |
| 58 | MEDIUM MG | 1 | 4 | 2 | 20 | MG | 25 | MMG | RIFLE | - | - | 0 | 0 | 0 | 0 | 2 | 39 | 45 | 2 |
| 59 | HEAVY MG | 1 | 3 | 3 | 20 | MG | 25 | HMG | RIFLE | - | - | 0 | 0 | 0 | 0 | 4 | 39 | 45 | 2 |
| 60 | RIFLE SQD | 1 | 6 | 10 | 22 | INF | 25 | RIFLE | LMG | CL GRN | ATR | 0 | 0 | 0 | 0 | 10 | 39 | E43 | 2 |
| 61 | RIFLE SQD | 1 | 6 | 10 | 22 | INF | 25 | RIFLE | LMG | PZFST | ATM | 0 | 0 | 0 | 0 | 10 | L43 | 45 | 3 |
| 62 | ENGR SQD | 1 | 6 | 10 | 22 | INF | 25 | SMG | LMG | FLAME | DEMO | 0 | 0 | 0 | 0 | 10 | 39 | E43 | 4 |
| 63 | ENGR SQD | 1 | 6 | 10 | 22 | INF | 25 | SMG | PZFST | FLAME | DEMO | 0 | 0 | 0 | 0 | 10 | L43 | 45 | 5 |

SAMPLE ORGANIZATIONAL CHARTS:

The following two charts illustrate how you can use the formations given in the game to construct other, larger, forces.

Sample German Panzer Battalion 1944-45:

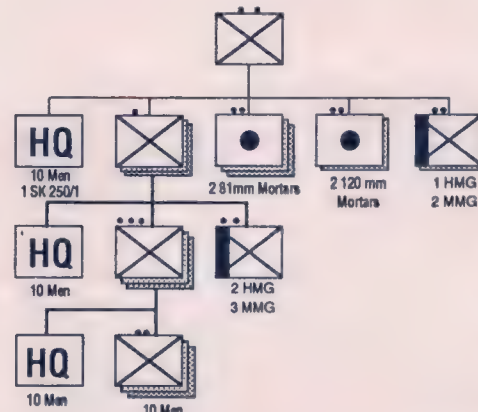


To buy this organization, purchase the following German formations in late 1944 or 1945:

- 3 * formation 8
- 1 * formation 16
- 1 * formation 19
- 1 * formation 32

Edit your units and convert units A0 and A1 to tanks.

Sample German Infantry Battalion Chart:



To buy this organization, purchase the following German formations:

- 3 * formation 2
- 5 * formation 38
- 2 * formation 42

Edit your units and make sure you have six 81 mm mortars and four 120mm mortars.

TIPS ON DEALING WITH THE JAPANESE:

Since a computer-controlled Japanese player will not retreat, it can be difficult for a beginning Allied player to defeat the Japanese. The key is to have sufficient artillery support.

If you are attacking against them, you will need artillery for several missions. Lay smoke to block their small arms fire if you must advance over clear terrain. If it is dense terrain, pull back after you find their line, pound them for some time with the artillery, and then close with your small arms units to destroy them. In either case, lay counter-battery fire to keep their on-map artillery from harming your units.

If you are defending against them, once again keep their on-map artillery suppressed. If the terrain is dense, put some units out front to act as a screen. When you spot the Japanese, pull back your screen and lay down the artillery fire. Try to form your defensive line behind a clearing if possible. This allows you to drop your artillery further from your own units and allows your small arms units more time to fire at the Japanese before they are upon you.

As a final suggestion, keep your small arms ranges down to about 3 or 4. At greater ranges your units are not as effective. The computer, on the other hand, is aware of your position sooner and so has longer to bombard your units.

JAPANESE UNIT DATA (CONTINUED)

| NO. | NAME | SIZE | SPD | CRW | 1st SHOT | CLS | RDO | TG | TG | HG | HG | FT | FH | ST | SH | TP | 1ST YR | LST YR | COST |
|-----|-------------|------|-----|-----|----------|------|-----|-----------|---------|---------|---------|----|----|----|----|----|--------|--------|------|
| 15 | 37AT GUN | 1 | 0 | 3 | 15 | GUN | 10 | 37L33 | RIFLE | - | - | 0 | 0 | 0 | 0 | 10 | E42 | 45 | 4 |
| 16 | 47AT GUN | 1 | 0 | 4 | 15 | GUN | 10 | 47L53 | RIFLE | - | - | 0 | 0 | 0 | 0 | 10 | E42 | 45 | 5 |
| 17 | 75IG | 1 | 0 | 5 | 15 | GUN | 10 | 75L10 | RIFLE | - | - | 0 | 0 | 0 | 0 | 3 | E42 | 45 | 4 |
| 18 | 70 MORTAR | 1 | 3 | 3 | 20 | MORT | 10 | 70 MOR | RIFLE | - | - | 0 | 0 | 0 | 0 | 3 | E42 | 45 | 3 |
| 19 | 90 MORTAR | 1 | 2 | 4 | 15 | MORT | 10 | 90 MOR | RIFLE | - | - | 0 | 0 | 0 | 0 | 5 | E42 | 45 | 4 |
| 20 | MEDIUM MG | 1 | 4 | 2 | 21 | INF | 10 | MMG | RIFLE | - | - | 0 | 0 | 0 | 0 | 2 | E42 | 45 | 2 |
| 21 | INF SQD | 1 | 6 | 13 | 21 | INF | 10 | RIFLE | LMG | - | - | 0 | 0 | 0 | 0 | 10 | E42 | 45 | 3 |
| 22 | INF SQD | 1 | 6 | 13 | 20 | INF | 10 | RIFLE | GRN LCH | GRN LCH | GRN LCH | 0 | 0 | 0 | 0 | 10 | E42 | 45 | 3 |
| 23 | RNG SQD | 1 | 6 | 10 | 21 | INF | 10 | RIFLE | LMG | DEM CHG | FLMTHW | 0 | 0 | 0 | 0 | 10 | E42 | 45 | 5 |
| 24 | INF AT | 1 | 6 | 1 | 20 | INF | 10 | POLE MINE | - | - | - | 0 | 0 | 0 | 0 | 1 | L44 | 45 | 1 |
| 25 | LIGHT ART | 1 | 0 | 32 | 18 | ARTY | 50 | 75 FH | 75 FH | 75 FH | 75 FH | 0 | 0 | 0 | 0 | 99 | E42 | 45 | 10 |
| 26 | MDM ART | 1 | 0 | 40 | 15 | ARTY | 50 | 105 FH | 105 FH | 105 FH | 105 FH | 0 | 0 | 0 | 0 | 99 | E42 | 45 | 15 |
| 27 | HVY ART | 1 | 0 | 48 | 15 | ARTY | 50 | 150 FH | 150 FH | 150 FH | 150 FH | 0 | 0 | 0 | 0 | 99 | E42 | 45 | 20 |
| 28 | 5" SUPPORT | 3 | 0 | 99 | 5 | ARTY | 50 | 5" GUN | 5" GUN | 5" GUN | 5" GUN | 0 | 0 | 0 | 0 | 99 | E42 | 45 | 15 |
| 29 | 8" SUPPORT | 4 | 0 | 99 | 5 | ARTY | 50 | 8" GUN | 8" GUN | 8" GUN | 8" GUN | 0 | 0 | 0 | 0 | 99 | E42 | 45 | 20 |
| 30 | 14" SUPPORT | 5 | 0 | 99 | 5 | ARTY | 50 | 14" GUN | 14" GUN | 14" GUN | 14" GUN | 0 | 0 | 0 | 0 | 99 | E42 | 45 | 30 |
| 69 | PILL BOX | 1 | 0 | 5 | 15 | PILL | 90 | 75L10 | MMG | RIFLE | RIFLE | 6 | 8 | 10 | 12 | 99 | E42 | 45 | 10 |
| 70 | NAV GUN EM | 2 | 0 | 20 | 10 | PILL | 90 | 5" GUN | - | - | - | 20 | 20 | 20 | 20 | 99 | E42 | 45 | 20 |

GERMAN UNIT DATA

| NO. | NAME | SIZE | SPD | CRW | 1st SHOT | CLS | RDO | TG | TG | HG | HG | FT | FH | ST | SH | TP | 1ST YR | LST YR | COST |
|-----|---------|------|-----|-----|----------|--------|-----|-------|-----|-----|-----|----|----|----|----|----|--------|--------|------|
| 1 | PZ-IB | 3 | 15 | 2 | 10 | LTANK | 90 | TMG | TMG | - | - | 3 | 3 | 1 | 1 | 1 | 39 | E43 | 4 |
| 2 | PZ-IIC | 3 | 14 | 3 | 9 | LTANK | 90 | 20L55 | TMG | - | - | 3 | 3 | 1 | 1 | 1 | 39 | E43 | 8 |
| 3 | LYNX | 3 | 18 | 3 | 15 | LTANK | 90 | 20L55 | TMG | - | - | 3 | 3 | 2 | 2 | 2 | L43 | 45 | 8 |
| 4 | PZ-IIIE | 4 | 14 | 5 | 15 | M.TANK | 90 | 37L46 | TMG | TMG | TMG | 2 | 3 | 3 | 3 | 1 | 39 | 41 | 11 |
| 5 | PZ-IIIH | 4 | 13 | 5 | 15 | M.TANK | 90 | 50L42 | TMG | TMG | - | 4 | 6 | 4 | 3 | 3 | 41 | L42 | 10 |

Allied Mission: Clear Objective
Game Length: 60
Suggested Human Player: American

Historical Notes: The 4th Marine division, on the eastern flank of the American beachhead, landed in front of the vital airfield number one. While under intense fire from pill-boxes and hidden gun pits, the 4th marines crawled forward to take the airstrip.

Allied Mission: Bypass
Game Length: 60
Suggested Human Player: Americans

Historical Notes: In the first hours of June 6, 1944, the U.S. Army, spearheaded by the 116th infantry assault regiment, landed at Omaha Beach. Within minutes their landing had turned into a confused disaster. One company lost all but three men to the withering German fire which swept the beach from steep cliffs just inshore.

Allied Mission: Hold Objective
Game Length: 30 turns
Suggested Human Player: British

Historical Notes: In an effort to keep the Japanese from capturing vital airfields in central Malaya, elements of the British 11th division were ordered to make a stand south of the Kampar River. Colonel Kanichi Okabe's 41st infantry regiment, supported by tanks, was given the task of clearing the British from their Kampar positions.

Scenario Name: *PEIPER ON POINT*

Date of Action: December 1944
Map Size: 60 x 60
Visibility: 20
Axis Mission: Bypass
Allied Mission: Hold objective
Game Length: 30
Suggested Human Player: German
Historical Notes: Determined to slow the tide of advancing German army, improvised units drawn mainly from the U.S. 2nd armored division were ordered to delay the enemy van near Trois Points, Belgium. The Germans, desperately needing all their precious armor, slammed into the American defenses and suffered heavily.

AMERICAN UNIT DATA (CONTINUED)

| NO. | NAME | SIZE | SPD | CRW | 1st SHOT | CLS | RDO | TG | TG | HG | HG | FT | FH | ST | SH | TP | 1ST YR | LST YR | COST |
|-----|-------------|------|-----|-----|----------|------|-----|---------|---------|-----------|---------|----|----|----|----|----|--------|--------|------|
| 28 | 37AT GUN | 1 | 0 | 4 | 20 | GUN | 80 | 37L53 | SA RFL | - | - | 0 | 0 | 0 | 0 | 10 | E42 | 45 | 4 |
| 29 | 57AT GUN | 1 | 0 | 5 | 20 | GUN | 80 | 57L18 | SA RFL | - | - | 0 | 0 | 0 | 0 | 10 | L43 | 45 | 6 |
| 30 | 76AT GUN | 1 | 0 | 5 | 15 | GUN | 80 | 76L54 | SA RFL | - | - | 0 | 0 | 0 | 0 | 10 | E44 | 45 | 8 |
| 31 | 90AT GUN | 2 | 0 | 8 | 15 | GUN | 80 | 90L50 | SA RFL | - | - | 0 | 0 | 0 | 0 | 15 | L44 | 45 | 11 |
| 32 | 75 HOW | 1 | 0 | 6 | 15 | GUN | 80 | 75 FH | SA RFL | - | - | 0 | 0 | 0 | 0 | 10 | E42 | 45 | 5 |
| 33 | 105 HOW | 2 | 0 | 8 | 10 | GUN | 80 | 105 FH | SA RFL | - | - | 0 | 0 | 0 | 0 | 15 | E42 | 45 | 9 |
| 34 | 155 HOW | 2 | 0 | 12 | 5 | GUN | 80 | 155 FH | SA RFL | - | - | 0 | 0 | 0 | 0 | 15 | E42 | 45 | 12 |
| 35 | 60 MORTAR | 1 | 3 | 2 | 10 | MORT | 50 | 60MOR | SA RFL | - | - | 0 | 0 | 0 | 0 | 2 | E42 | 45 | 2 |
| 36 | 81 MORTAR | 1 | 3 | 3 | 10 | MORT | 50 | 81MOR | SA RFL | - | - | 0 | 0 | 0 | 0 | 3 | E42 | 45 | 3 |
| 37 | 4.2" MORTAR | 1 | 2 | 5 | 5 | MORT | 50 | 4.2MOR | SA RFL | - | - | 0 | 0 | 0 | 0 | 5 | L43 | 45 | 5 |
| 38 | MEDIUM MG | 1 | 4 | 2 | 20 | INF | 25 | MMG | SA RFL | - | - | 0 | 0 | 0 | 0 | 2 | E42 | 45 | 2 |
| 39 | HEAVY MG | 1 | 3 | 3 | 20 | INF | 25 | HMG | SA RFL | - | - | 0 | 0 | 0 | 0 | 3 | E42 | 45 | 2 |
| 40 | 50 CAL | 1 | 3 | 3 | 20 | INF | 25 | 50 CAL | SA RFL | - | - | 0 | 0 | 0 | 0 | 3 | E42 | 45 | 2 |
| 41 | RIFLE SQD | 1 | 6 | 12 | 22 | INF | 25 | SA RFL | BAR | - | - | 0 | 0 | 0 | 0 | 10 | E42 | L43 | 2 |
| 42 | RIFLE SQD | 1 | 6 | 12 | 22 | INF | 25 | SA RFL | BAR | BAR | BAZ | 0 | 0 | 0 | 0 | 10 | E44 | 45 | 3 |
| 43 | SMG SQD | 1 | 6 | 12 | 23 | INF | 25 | SMG | BAR | - | - | 0 | 0 | 0 | 0 | 10 | E42 | L43 | 2 |
| 44 | SMG SQD | 1 | 6 | 12 | 23 | INF | 25 | SMG | BAR | GREN LNCH | BAZ | 0 | 0 | 0 | 0 | 10 | E44 | 45 | 3 |
| 45 | ENG SQD | 1 | 6 | 12 | 22 | INF | 25 | SA RFL | BAR | FLMTHW | DEM CHG | 0 | 0 | 0 | 0 | 10 | E42 | 45 | 4 |
| 46 | ENG SQD | 1 | 6 | 13 | 22 | INF | 25 | SA RFL | FLMTHW | FLMTHW | DEM CHG | 0 | 0 | 0 | 0 | 10 | E42 | 45 | 5 |
| 47 | LGHT ART | 1 | 0 | 32 | 5 | ARTY | 90 | 75 FH | 75 FH | 75 FH | 75 FH | 0 | 0 | 0 | 0 | 99 | E42 | 45 | 10 |
| 48 | MDM ART | 2 | 0 | 40 | 5 | ARTY | 90 | 105 FH | 105 FH | 105 FH | 105 FH | 0 | 0 | 0 | 0 | 99 | E42 | 45 | 15 |
| 49 | HVY ART | 3 | 0 | 48 | 5 | ARTY | 90 | 155 FH | 155 FH | 155 FH | 155 FH | 0 | 0 | 0 | 0 | 99 | E42 | 45 | 20 |
| 50 | 5" SUPPORT | 3 | 0 | 99 | 5 | ARTY | 99 | 5" GUN | 5" GUN | 5" GUN | 5" GUN | 0 | 0 | 0 | 0 | 99 | E42 | 45 | 15 |
| 51 | 8" SUPPORT | 4 | 0 | 99 | 5 | ARTY | 99 | 8" GUN | 8" GUN | 8" GUN | 8" GUN | 0 | 0 | 0 | 0 | 99 | E42 | 45 | 20 |
| 52 | 16" SUPPORT | 5 | 0 | 99 | 5 | ARTY | 99 | 16" GUN | 16" GUN | 16" GUN | 16" GUN | 0 | 0 | 0 | 0 | 99 | E42 | 45 | 30 |
| 53 | BAZ TM | 1 | 6 | 2 | 20 | INF | 25 | BAZ | SA RFL | - | - | 0 | 0 | 0 | 0 | 2 | L43 | 45 | 1 |
| 54 | MAR SQD | 1 | 6 | 13 | 22 | INF | 25 | SA RFL | BAR | - | - | 0 | 0 | 0 | 0 | 10 | E42 | E43 | 2 |
| 55 | MAR SQD | 1 | 6 | 13 | 22 | INF | 25 | SA RFL | BAR | BAR | BAR | 0 | 0 | 0 | 0 | 10 | L43 | 45 | 3 |
| 56 | M3 SATAN | 3 | 18 | 4 | 10 | TANK | 90 | FLMTHW | TMG | - | - | 4 | 4 | 4 | 3 | 3 | L44 | 45 | 13 |

| | | | | | | |
|-------|-----------------|---|---|----|----|-----|
| 34 | Forest | 3 | Y | 20 | 60 | 10 |
| 35 | Rough | 4 | Y | 20 | 60 | 10 |
| 36 | Wheat | 3 | Y | 5 | 10 | 7.5 |
| 37 | Bldg Fire | 1 | Y | 20 | 60 | 10 |
| 38 | Depression | 3 | Y | 20 | 60 | 10 |
| 39 | Wood Bldg | 3 | Y | 5 | 5 | 5 |
| 40 | Swamp | 0 | Y | 30 | NA | 15 |
| 41 | Water | 0 | N | NA | NA | NA |
| 42-47 | River | 0 | N | NA | NA | 25 |
| 48-49 | Bridge | 1 | N | 5 | 5 | 5 |
| 50 | Coast/River | 0 | N | NA | NA | 25 |
| 51 | Coast | 0 | N | 5 | 5 | 5 |
| 52 | Coast/Beach | 0 | N | 5 | 10 | 7.5 |
| 53 | Beach | 0 | N | 5 | 10 | 7.5 |
| 54 | Vegetation Fire | 1 | Y | 20 | 60 | 10 |
| 55 | Rubble | 1 | Y | 25 | NA | 10 |
| 56 | Rubble | 3 | Y | 25 | NA | 10 |
| 57 | Dragon teeth | 1 | N | 60 | NA | 5 |
| 58 | Dragon teeth | 2 | N | 60 | NA | 5 |
| 59 | Dragon teeth | 3 | N | 60 | NA | 5 |

| | | | | | | |
|-------|-----------------|---|---|----|----|-----|
| 36 | Wheat | 3 | Y | 5 | 10 | 7.5 |
| 37 | Bldg Fire | 1 | Y | 20 | 60 | 10 |
| 38 | Depression | 3 | Y | 20 | 60 | 10 |
| 39 | Wood Bldg | 3 | Y | 5 | 5 | 5 |
| 40 | Swamp | 0 | Y | 30 | NA | 15 |
| 41 | Water | 0 | N | NA | NA | NA |
| 42-47 | River | 0 | N | NA | NA | 25 |
| 48-49 | Bridge | 1 | N | 5 | 5 | 5 |
| 50 | Coast/River | 0 | N | NA | NA | 25 |
| 51 | Coast | 0 | N | 5 | 5 | 5 |
| 52 | Coast/Beach | 0 | N | 5 | 10 | 7.5 |
| 53 | Beach | 0 | N | 5 | 10 | 7.5 |
| 54 | Vegetation Fire | 1 | Y | 20 | 60 | 10 |
| 55 | Rubble | 1 | Y | 25 | NA | 10 |
| 56 | Rubble | 3 | Y | 25 | NA | 10 |
| 57 | Dragon teeth | 1 | N | 60 | NA | 5 |
| 58 | Dragon teeth | 2 | N | 60 | NA | 5 |
| 59 | Dragon teeth | 3 | N | 60 | NA | 5 |

continued...

TYPHOON OF STEEL Briefing Manual: Introduction

This manual provides technical information useful in playing a game of TYPHOON OF STEEL. The majority of this manual consists of the unit data charts and the weapons chart. In addition, there are some formation composition charts, two sample organizational charts, the terrain effects charts, and the scenario notes.

INTRODUCTION TO THE UNIT DATA CHARTS AND THE WEAPON CHART:

The following charts contain much information which is helpful in playing TYPHOON OF STEEL. The following charts are broken down into two main groups: the five unit data charts and a weapons chart. The unit data charts set forth all necessary information about the units except for the information about the combat weapons that they carry. This information is contained in the weapons chart.

By using the editing feature of TYPHOON OF STEEL, you can change the unit type for any unit which the computer gives you. In the scenarios you can also change the weapons that each unit carries. The information you

need to do this is contained in the following charts.

There are five unit charts used in the game, and the one you are using depends on the nationality of your force. All unit charts use the same weapons chart. Some weapons, however, appear only on certain fronts; this information is given on the weapons chart.

UNIT DATA CHARTS:

The following column headings are used on the unit data charts:

| | |
|------------------|---|
| NO.: | This is the number to be entered for unit type when editing your units. |
| NAME: | The name of the unit. |
| SIZE: | The silhouette size of a vehicle unit |
| SPD: | The maximum speed of the unit. |
| CRW: | The number of men in a vehicle's crew. |
| 1st SHOT: | The unit's first shot rating. |
| CLS: | The class of the unit. |
| RDO: | The percentage chance that the unit will have a radio. |

| | |
|----------------|---|
| TG: | A vehicle unit's turret or upper hull gun(s). |
| HG: | A vehicle unit's hull gun(s). |
| FT: | A vehicle unit's front turret/upper hull armor. |
| FH: | A vehicle unit's front hull armor. |
| ST: | A vehicle unit's side turret/upper hull armor. |
| SH: | A vehicle unit's side hull armor. |
| TP: | A vehicle unit's top armor. <i>IMPORTANT:</i> For nonvehicle units, this number is the number of transportation points needed to carry the unit. A cost of 99 means the unit cannot be carried. |
| 1ST YR: | The first time period that the unit is available.* |
| LST YR: | The last time period that the unit is available. |
| COST: | The cost of the unit. |

*Note: Even though the first available period in TYPHOON OF STEEL is early 42, earlier periods may be designated for those nationalities which also appear in PANZER STRIKE!

| | | | | | | |
|-------|-----------------|---|---|----|----|----|
| 36 | Sand | 3 | Y | 15 | 60 | 10 |
| 37 | Bldg Fire | 1 | Y | 20 | 60 | 10 |
| 38 | Depression | 3 | Y | 20 | 60 | 10 |
| 39 | Wood Bldg | 3 | Y | 5 | 5 | 5 |
| 40 | Oasis | 0 | Y | 5 | 5 | 5 |
| 41 | Water | 0 | N | NA | NA | NA |
| 42-47 | Escarpment | 0 | N | NA | NA | 25 |
| 48-49 | Escarpment | 0 | N | NA | NA | 25 |
| 50 | Coast | 0 | N | 5 | 5 | 5 |
| 51 | Coast | 0 | N | 5 | 5 | 5 |
| 52 | Coast | 0 | N | 5 | 5 | 5 |
| 53 | Unused | | | | | |
| 54 | Vegetation Fire | 1 | Y | 20 | 60 | 10 |
| 55 | Rubble | 1 | Y | 25 | NA | 10 |
| 56 | Rubble | 3 | Y | 25 | NA | 10 |
| 57 | Dragon teeth | 1 | N | 60 | NA | 5 |
| 58 | Dragon teeth | 2 | N | 60 | NA | 5 |
| 59 | Dragon teeth | 3 | N | 60 | NA | 5 |

NOTES ON GRAPHICS:

There are some graphic shapes which you will see on the screen which may require some explanation. The shape that looks like two arrows facing each other is the conflict symbol, and is used whenever forces of both sides are in the same square. You will also note that heavy tanks have a "thicker" looking appearance than light tanks. (A tank with a silhouette size of 5 or more is considered heavy.)

Tank, vehicle, and anti-tank gun units can face any of the 8 possible directions, and hence have a different shape for each. Infantry and mortar units, while able to face any of the 8 directions, have only one symbol which is used for any facing.

Finally, to become familiar with the various terrain shapes, you will note that the number of each shape is given in the map build routine as the cursor is placed in the square of the feature. The best way to learn about the terrain for a given theatre is to choose to build a custom map, and then type in one square of each type of terrain.

MAP MENU:

- (1-8) Move cursor.
- (9) Display current score.
- (0) View terrain only. All units are cleared from the screen so that the underlying terrain can be seen.
- (A-S) Select unit. Press the formation letter followed by the unit number. That unit will become the current unit and you will be placed in the Unit Menu.
- (U) Get unit at cursor position. The unit at the cursor location will become the current unit and you will be placed in the Unit Menu.
- (V) View. All squares that can be seen from the cursor location will be inversed.
- (W) View mission objective. All squares in the mission objective area will be inversed.
- (X) Exit Orders Phase.
- (Y) Inspect stack. The type of the next unit down in the stack will appear at the bottom of the Map Menu. It can then be accessed with the U key.
- (Z) Toggle maps. The map changes to whichever (strategic or tactical) is not in use.
- (/) The score is displayed and the game will end.
- (*) Places all units on a side under computer control. In Deployment, this key Digs-in all units.

KEYS ACTIVE DURING COMBAT PHASE

- (1) Decrease message delay 1 increment.
- (9) Increase message delay 1 increment.
- (0) Orders. Go to an Orders Phase at the end of the current Combat Phase.
- (P) Toggle pause. When first hit, will stop the action; when hit again, will restart it.
- (S) Toggle sound. Turns sound on and off.
- (T) View terrain only. All units are cleared from the screen so that the underlying terrain can be seen.
- (Z) Toggle maps. The map changes to whichever (strategic or tactical) is not in use.

QUESTIONS OR PROBLEMS: Our main business number is (408) 737-6800. If you encounter disk or system related problems you can call our Technical Support Staff at (408) 737-6850 between 11 a.m. and 5 p.m., Pacific Time, Monday through Friday, holidays excluded. NO GAME PLAYING HINTS WILL BE GIVEN THROUGH THIS NUMBER. If you need hints, call our Hint Line at (408) 737-6810. Recorded hints are available 24 hours a day, 7 days a week. If you don't hear the information you need, please write to us at Hints, Strategic Simulations, Inc., 675 Almanor Avenue, Suite 201, Sunnyvale, CA 94086 (include a stamped self-addressed envelope for reply).



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